# *Electrical Installation Condition Report*

**Requirements for Electrical Installations - BS 7671:2018**
**(IET Wiring Regulations 18th Edition)**

## Information for recipients:

The purpose of this report is to confirm, so far as reasonably practicable, whether or not the electrical installation is in a satisfactory condition for continued service (see Section E). The Report should identify any damage, deterioration, defects and/or conditions which may give rise to danger (see Section K).

The person ordering the report should have received the Original©Report and the inspector should have retained a duplicate.

The Original©Report should be retained in a safe place and be made available to any person inspecting or undertaking work on the electrical installation in the future. If the property is vacated, this Report will provide the new owner/occupier with details of the condition of the electrical installation at the time the Report was issued.

Where the installation incorporates residual current devices (RCDs) there should be a notice at or near the devices stating that they should be tested every 6 months. **For safety reasons it is important that these instructions are followed.**

Section D (Extent and Limitations) should identify fully the extent of the installation covered by this Report and any limitations on the inspection and testing. The Inspector should have agreed these aspects with the person ordering the Report and with other interested parties (licencing authority, insurance company, mortgage provider and the like) before the inspection was carried out.

Some operational limitations such as inability to gain access to parts of the installation or an item of equipment may have been encountered during the inspection. The inspector should have noted these in Section D.

For items classified in Section K as C1 (“Danger Present”), **the safety of those using the installation is at risk**, and it is recommended that a skilled person or persons competent in electrical installation work undertakes the necessary remedial work immediately.

For items classified in Section K as C2 (“Potentially Dangerous”), **the safety of those using the installation may be at risk** and it is recommended that a skilled person or persons competent in electrical installation work undertakes the necessary remedial work as a matter of urgency.

Where it has been stated in Section K that an observation requires further investigation code FI the inspection has revealed an apparent deficiency which may result on a code C1 or C2 could not, due to the extent or limitations of this inspection, be fully identified. Such observations should be investigated as soon as possible. A further examination of the installation will be necessary, to determine the nature and extent of the apparent deficiency (see Section F).

For safety reasons, the electrical installation should be re-inspected at appropriate intervals by a skilled person or persons competent in such work. The recommended date by which the next inspection is due is stated in Section F of the report under ‘Recommendations’ and on label at or near to the consumer unit/distribution board.

# ELECTRICAL INSTALLATION CONDITION REPORT

FT/EICR 110149905

Requirements for Electrical Installations
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## A. Details of the Installation

| | | | |
|---|---|---|---|
| Client | UPP Residential Services Ltd | Installation | Swansea University Bay Campus - Nanhyfer 12 |
| Address | First Floor<br>12 Arthur Street<br><br>London, | Address | Reception - Ground Floor Tower Information Centre<br>Fabian Way, Crymlyn Burrows<br>Swansea |
| Postcode | EC4R 9AB | Postcode | SA1 8EN |

## B. Reason for Producing this Report

*This form is to be used only for reporting on the condition of an existing installation.*

Essential information requested by the client in accordance with the electricity at work regulations 1989.

Date(s) on which the inspection and testing were carried out 06/07/2022 to 08/07/2022

## C. Details of Installation which is the Subject of this Report

Description of premises Domestic ☐ Commercial ☑ Industrial ☐ Other (please specify)

Estimated age of the wiring system 10 years

Evidence of alterations or addition Yes ☐ No ☑ Not apparent ☐ if 'Yes', estimated ☐ years

Records of installation available Yes ☐ No ☑ Records held by

Date of last inspection Not Known Electrical Installation Certificate No. or previous Inspection Report No.

## D. Extent of Electrical Installation Covered by this Report:

Testing of all sub mains, lighting and power circuits, within the constraints of the agreed limitations.

**Agreed Limitations and Operational Limitations (Regulations 653.2)**

Unable to access the sealed supply device characteristics. Ze and Ipf have been taken as close to the origin as possible. Insulation resistance testing has been carried out to regulation 643.3.3 on circuits were it was impracticable to disconnect load.

Agreed with: Grant Adams

The inspection and testing detailed within this report and accompanying schedule has been carried out in accordance with BS 7671: 2018 (IET Wiring Regulations) amended to 2020

It should be noted that cables concealed within trunkings and conduits, under floors, in roof spaces and generally within the fabric of the building or underground have NOT been inspected unless specifically agreed between the client and inspector prior to the inspection. An inspection should be made within an accessible roof space housing other electrical equipment.

## E. Summary of the Condition of the Installation

General conditions of the installation (in terms of electrical safety)

Installation DetailsThe installation approximately 10 years old. The Main Supply is located in the Ground Floor Mains Room.Main Earthing arrangement for the installation appears to be TNCS. **--Please see Continuation Page--**

Overall assessment of the installation in terms of its suitability for continued use **SATISFACTORY** ☐ ***UNSATISFACTORY** ☑

*An UNSATISFACTORY assessment indicates that dangerous (code C1), or potentially dangerous (code C2), Further investigation (code FI) conditions have been identified

## F. Recommendations

Where the overall assessment of the suitability of the installation for continued use above is stated as UNSATISFACTORY I/we recommend that any observations classified as *'Danger present'* **(code C1)** or *'Potential dangerous'* **(code C2)** are acted upon as a matter of urgency. Investigation without delay is recommended for observations identified as *'Further Investigation required'* **(code FI)**. Observations classified as *'Improvement recommended'* **(code C3)** should be given due consideration. Subject to the necessary remedial action being taken, I/we recommend that the installation is further inspected and tested by 06/07/2027 (date)

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## G. Declaration

I/we being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my/our signatures below), particulars of which are described above, having exercised reasonable skill and care when carrying out the inspection and testing hereby declare that the information in this report, including the observations and the attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent and limitations in section D of this report.

| | | Inspected and tested by | Authorised for issue by |
|---|---|---|---|
| Company | PHS Compliance | | |
| Address | Kid Glove Road, Golborne, Warrington, | Name: Tre Lever | Michael Pulley |
| | | Signature: | |
| Postcode | WA3 3GR | | |
| Branch No. | | Position: Electrical Test Engineer | FW Service Manager |
| Scheme No. | | Date: 06/07/2022 | 23/08/2022 |

**EICRs are produced by a UKAS accredited inspection body, No. 0433**

## H. Schedule(s)

1 schedule(s) of inspection and 18 schedule(s) of test results are attached.

The attached schedule(s) are part of this document and this report is valid only when they are attached to it.

## I. Supply Characteristics and Earthing Arrangements

Earthing Arrangements TN-S ☐ TN-C-S ☑ TT ☐ Other ☐ Please specify

Number & Type of live conductors AC ☑ DC ☐ No. of phases 3 No. of wires 4

**Nature of Supply Parameters (Note: (1) by enquiry, (2) by enquiry or by measurement)**

Nominal voltage, $U/U_0$ (1) 400 v Nominal frequency, $f$(1) 50 $H_z$ Confirmation of supply polarity ☑

Prospective fault current, $I_{pf}$ (2) 4.40 kA External loop impedance, $Z_e$ (2) 0.11 Ω

Supply Protective Device BS (EN) LIM Type LIM Rated Current LIM A

No. of Additional Supplies N/A

## J. Particulars of Installation Referred to in this Report

**Details of installation Earth Electrode** (where applicable) Type (e.g. rod(s), tape etc)

Location Electrode resistance to earth Ω

**Means of Earthing**

Distributors facility ☑ Installation Earth Electrode ☐

Maximum Demand (load) LIM Amps ☐ KVA ☐

| | Material | csa | | (✓) or Value | | (✓) or Value | |
|---|---|---|---|---|---|---|---|
| Main Protective Conductors: Earthing Conductor | Copper | 95 | mm² | Continuity Verified ☑ | Ω | Connection Verified ☑ | Ω |
| Protective Bonding Conductor | Copper | 50 | mm² | Continuity Verified ☑ | Ω | Connection Verified ☑ | Ω |
| **Main Supply Conductor** | Copper | 185 | mm² | | | | |
| **Main Switch** Location DB/M | | | mm² | | | | |
| **Fuse/device rating or setting** 400 A Voltage rating 400 V | | | | | | | |
| **If RCD main switch:** Rated residual operating current I Δn NA mA | | | | | | | |

**(connection / continuity)**

| | (✓) or Value | | | (✓) or Value | |
|---|---|---|---|---|---|
| Water installation | ☑ | Ω | To structural steel | NA | Ω |
| Gas installation pipes | NA | Ω | To lightning protection | NA | Ω |
| Oil installation pipes | NA | Ω | Other | NA | Ω |

BS(EN) 60947-3 No. of Poles 4 Current Rating 400 A Rated time delay NA ms Measured operating trip time NA ms

## K. Observations

Referring to the attached schedule of inspection and test results, and subject to the limitations at Section D.

☐ No remedial work required

☑ The following observations are made

**Explanation of codes**

| | |
|---|---|
| C1 | Danger present. Risk of Injury. Immediate remedial action required. |
| C2 | Potentially dangerous. Urgent remedial action required. |
| C3 | Improvement recommended. |
| FI | Further Investigation required without delay |

| Item No. | Observations | Code |
|---|---|---|
| 1 | Observation: Incorrect polarity on the circuit or connection at piece of equipment.<br>Incorrect polarity on load side of RCBO. Disconnected from RCBO.<br>Location: DB/LL3/L CCT/5L2<br>Regulation: 643.6 | C2 |
| 2 | Observation: All untraced circuits must have their circuit designations verified.<br>Location: DB/LL1/P CCT 10/L3, 12/L1,<br>Regulation: 514.8.1 | FI |

# ELECTRICAL INSTALLATION CONDITION REPORT

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*One of the following codes, as appropriate, has been allocated to each of the observations made above and/or any attached observation sheets to indicate to the person(s) responsible for the installation the degree of urgency for remedial action.*

| | |
|---|---|
| C1 Danger present. Risk of Injury. Immediate remedial action required. | |
| C2 Potentially dangerous. Urgent remedial action required. | 1 |
| C3 Improvement recommended. | |
| FI Further Investigation required without delay | 2 |

Requirements for Electrical Installations
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**Outcomes**

| Acceptable condition: | Unacceptable condition: State | Improvement recommended: | Further Investigation: | Not Verified: | Limitation: | Not Applicable: |
|---|---|---|---|---|---|---|
| ✓ | C1 or C2 | C3 | FI | NV | L | N/A |

| Item No. | Description | Outcome |
|---|---|---|
| **1.0 External Condition Of Intake Equipment (Visual Inspection Only) Where inadequacies are encountered, it is recommended that the person ordering the report informs the appropriate authority** | | |
| 1.1 | Service cable | ✓ |
| 1.2 | Service head | ✓ |
| 1.3 | Earthing arrangement | ✓ |
| 1.4 | Meter tails | ✓ |
| 1.5 | Metering equipment | ✓ |
| 1.6 | Isolator (where present) | ✓ |
| **2.0 Parallel Or Switched Alternative Sources Of Supply** | | |
| 2.1 | Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6) | N/A |
| 2.2 | Adequate arrangements where a generating set operates in parallel with the public supply (551.7) | N/A |
| **3.0 Automatic Disconnection Of Supply** | | |
| 3.1 | Main earthing/bonding arrangements (411.3; Chap 54) | ✓ |
| 3.1.1 | Presence of distributors earthing arrangement (542.1.2.1; 542.1.2.2) | ✓ |
| 3.1.2 | Presence of installation earth electrode arrangement (542.1.2.3) | N/A |
| 3.1.3 | Adequacy of earthing conductor size (542.3; 543.1.1) | ✓ |
| 3.1.4 | Adequacy of earthing conductor connections (542.3.2) | ✓ |
| 3.1.5 | Accessibility of earthing conductor connections (543.3.2) | ✓ |
| 3.1.6 | Adequacy of main protective bonding conductor sizes (544.1) | ✓ |
| 3.1.7 | Adequacy and location of main protective bonding conductor connections (543.3.2; 544.1.2) | ✓ |
| 3.1.8 | Accessibility of all protective bonding connections (543.3.2) | ✓ |
| 3.1.9 | Provision of earthing/bonding labels at all appropriate locations (514.13) | ✓ |
| 3.2 | FELV - requirements satisfied (411.7; 411.7.1) | ✓ |
| **4.0 Other Methods Of Protection (Where any of the methods listed below are employed details should be provided on separate sheets)** | | |
| 4.1 | Non-conducting location (418.1) | ✓ |
| 4.2 | Earth-free local equipotential bonding (418.2) | ✓ |
| 4.3 | Electrical separation (Section 413; 418.3) | ✓ |
| 4.4 | Double insulation (Section 412) | ✓ |
| 4.5 | Reinforced insulation (Section 412) | ✓ |
| **5.0 Distribution Equipment** | | |
| 5.1 | Adequacy of working space/accessibility to equipment (132.12; 513.1) | ✓ |
| 5.2 | Security of fixing (134.1.1) | ✓ |
| 5.3 | Condition of insulation of live parts (416.1) | ✓ |
| 5.4 | Adequacy/security of barriers (416.2) | ✓ |
| 5.5 | Condition of enclosure(s) in terms of IP rating etc (416.2) | ✓ |
| 5.6 | Condition of enclosure(s) in terms of fire rating etc (421.1.6; 421.1.201; 526.5) | ✓ |
| 5.7 | Enclosure not damaged/deteriorated so as to impair safety (651.2) | ✓ |
| 5.8 | Presence and effectiveness of obstacles (417.2) | ✓ |
| 5.9 | Presence of main switch(es), linked where required (462.1; 462.1.201; 462.2) | ✓ |
| 5.10 | Operation of main switch(es) (functional check) (643.10) | ✓ |
| 5.11 | Manual operation of circuit-breakers and RCD(s) to prove disconnection (643.10) | ✓ |
| 5.12 | Confirmation that integral test button/switch causes RCD(s) to trip when operated (functional check) (643.10) | ✓ |
| 5.13 | RCD(s) provided for fault protection – includes RCBO(s) (411.4.204; 411.5.2; 531.2) | ✓ |
| 5.14 | RCD(s) provided for additional protection / requirements, where required - includes RCBO(s) (411.3.3; 415.1) | ✓ |
| 5.15 | Presence of RCD six-monthly test notice at or near equipment, where required (514.12.2) | ✓ |
| 5.16 | Presence of diagrams, charts or schedules at or near equipment, where required (514.9.1) | ✓ |
| 5.17 | Presence of non-standard (mixed) cable colour warning notice at or near equipment, where required (514.14) | ✓ |
| 5.18 | Presence of alternative supply warning notice at or near equipment, where required (514.15) | ✓ |
| 5.19 | Presence of next inspection recommendation label (514.12.1) | ✓ |
| 5.2 | Presence of other required labelling (please specify) (Section 514) | ✓ |
| 5.21 | Compatibility of protective device, base and other components; correct type and rating (no signs of unacceptable thermal damage, arcing or overheating) (411.3.2; 411.4; 411.4.5; 411.4.6; Sections 432; 433) | ✓ |
| 5.22 | Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3) | ✓ |
| 5.23 | Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.5; 522.8.11) | ✓ |
| 5.24 | Protection against electromagnetic effects where cables enter ferromagnetic enclosures (521.5.1) | ✓ |

| | | |
|---|---|---|
| **6.0 Distribution Circuits** | | |
| 6.1 | Identification of conductors (514.3.1) | ✓ |
| 6.2 | Cables correctly supported throughout their run (521.10.202; 522.8.5) | ✓ |
| 6.3 | Condition of insulation of live parts (416.1) | ✓ |
| 6.4 | Non-sheathed cables protected by enclosure in conduit, ducting or trunking. Integrity of containment (521.10.1) | ✓ |
| 6.5 | Suitability of containment systems for continued use (including flexible conduit) (Section 522) | ✓ |
| 6.6 | Cables correctly terminated in enclosures (Section 526) | ✓ |
| 6.7 | Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1) | ✓ |
| 6.8 | Examination of cables for signs of unacceptable thermal or mechanical damage/deterioration (421.1; 522.6) | ✓ |
| 6.9 | Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523) | ✓ |
| 6.10 | Adequacy of protective devices: type and rated current for fault protection (411.3) | ✓ |
| 6.11 | Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1) | ✓ |
| 6.12 | Coordination between conductors and overload protective devices (433.1; 533.2.1) | ✓ |
| 6.13 | Cable installation methods/practices with regard to the type and nature of installation and external influences (Section 522) | ✓ |
| 6.14 | Where exposed to direct sunlight, cable of a suitable type (522.11.1) | ✓ |
| **6.15** | **Cables concealed under floors, above ceilings, in walls/partitions less than 50 mm from a surface, and in partitions containing metal parts** | |
| 6.15.1 | Installed in prescribed zones (see Section D. Extent and limitations) (522.6.202) or | ✓ |
| 6.15.2 | Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like (see Section D. Extent and limitations) (522.6.204) | ✓ |
| 6.16 | Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527) | ✓ |
| 6.17 | Band II cables segregated/separated from Band I cables (528.1) | ✓ |
| 6.18 | Cables segregated/separated from non-electrical services (528.3) | ✓ |
| 6.19 | Condition of circuit accessories (651.2) | ✓ |
| 6.20 | Suitability of circuit accessories for external influences (512.2) | ✓ |
| 6.21 | Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3) | ✓ |
| 6.22 | Adequacy of connections, including cpc's, within accessories and to fixed and stationary equipment – identify/record numbers and locations of items inspected (Section 526) | ✓ |
| 6.23 | Presence, operation and correct location of appropriate devices for isolation and switching (Chapter 46; 537) | ✓ |
| 6.24 | General condition of wiring systems (651.2) | ✓ |
| 6.25 | Temperature rating of cable insulation (522.1.1; Table 52.1) | ✓ |
| **7.0 CONSUMER UNIT/DISTRIBUTION BOARD(S)** | | |
| 7.1 | Adequacy of working space/accessibility to consumer unit/distribution board (132.12; 513.1) | ✓ |
| 7.2 | Security of fixing (134.1.1) | ✓ |
| 7.3 | Condition of enclosure(s) in terms of IP rating (Barriers etc) (416.2) | ✓ |
| 7.4 | Condition of enclosure(s) in terms of fire rating etc (421.1.6; 421.1.201; 526.5) | ✓ |
| 7.5 | Enclosure/obstacles not damaged/deteriorated so as to impair safety (651.2) | ✓ |
| 7.5.1 | Presence and effectiveness of obstacles (417.2) | ✓ |
| 7.6 | Presence of main linked switch (as required by 462.1.201) | ✓ |
| 7.7 | Operation of main switch (functional check) (643.10) | ✓ |
| 7.8 | Manual operation of circuit-breakers and RCD(s) (test button) to prove disconnection (643.10) | ✓ |
| 7.9 | Correct identification of circuit details and protective devices (514.8.1; 514.9.1) | ✓ |
| 7.10 | Presence of RCD six-monthly test notice at or near consumer unit/distribution board (514.12.2) | ✓ |
| 7.11 | Presence of non-standard (mixed) cable colour warning notice at or near equipment, where required (514.14) | ✓ |
| 7.12 | Presence of alternative supply warning notice at or consumer unit/distribution board (514.15) | ✓ |
| 7.13 | Presence of other required labelling (Please specify) (Section 514) | ✓ |
| 7.14 | Compatibility of protective devices, bases and other components; correct type and rating (no signs of unacceptable thermal damage, arcing or overheating) (411.3.2; 411.4; 411.5; 411.6; Sections 432; 433) | ✓ |
| 7.15 | Single-pole switching or protective devices in line conductors only (132.14.1, 530.3.3) | C2 |
| 7.16 | Protection against mechanical damage where cables enter consumer unit/distribution board (132.14.1; 522.8.1; 522.8.5; 522.8.11) | ✓ |
| 7.17 | Protection against electromagnetic effects where cables enter ferromagnetic enclosures (521.5.1) | ✓ |
| 7.18 | RCD(s) provided for fault protection - includes RCBO(s)(411.4.204; 411.5.2; 531.2) | ✓ |
| 7.19 | RCD(s) provided for additional protection/requirements, where required - includes RCBO(s) (411.3.3; 415.1) | ✓ |
| 7.20 | Confirmation of indication that SPD is functional (651.4) | ✓ |
| 7.21 | Confirmation that ALL conductor connections, including connections to the busbars are correctly located in terminals and are tight and secure (526.1) | ✓ |
| 7.22 | Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6) | N/A |
| 7.23 | Adequate arrangements where a generating set operates in parallel with the public supply (551.7) | N/A |
| **8.0 FINAL CIRCUITS** | | |
| 8.1 | Identification of conductors (514.3.1) | ✓ |
| 8.2 | Cables correctly supported throughout their run (521.10.202; 522.8.5) | ✓ |

| | | |
|---|---|---|
| 8.3 | Condition of insulation of live parts (416.1) | ✓ |
| 8.4 | Non-sheathed cables protected by enclosure in conduit, ducting or trunking. (521.10.1) | ✓ |
| 8.4.1 | To include the integrity of conduit and trunking systems (metallic and plastic) | ✓ |
| 8.5 | Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523) | ✓ |
| 8.6 | Coordination between conductors and overload protective devices (433.1; 533.2.1) | ✓ |
| 8.7 | Adequacy of protective devices: type and rated current for fault protection (411.3) | ✓ |
| 8.8 | Presence and adequacy of circuit protective conductors (411.3.1; Section 543) | ✓ |
| 8.9 | Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522) | ✓ |
| 8.10 | Connected cables installed in prescribed zones (see Section D. Extent and limitations) (522.6.202) | ✓ |
| 8.11 | Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (522.6.204) | ✓ |
| **8.12** | **Provision of additional requirements for protection by RCD not exceeding 30 mA:** | |
| 8.12.1 | For all socket-outlets of rating 32 A or less unless exempt (4.11.3.3) | ✓ |
| 8.12.2 | For the supply of Mobile equipment not exceeding 32 A rating for use outdoors (411.3.3) | ✓ |
| 8.12.3 | For cables concealed in walls at a depth of less than 50 mm (522.6.202; 522.6.203) | ✓ |
| 8.12.4 | For cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203) | ✓ |
| 8.12.5 | For circuits supplying luminaires within domestic (household) premises (411.3.4) | ✓ |
| 8.13 | Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527) | ✓ |
| 8.14 | Band II cables segregated/separated from Band I cables (528.1) | ✓ |
| 8.15 | Cables segregated/separated from communications cabling (528.2) | ✓ |
| 8.16 | Cables segregated/separated from non-electrical services (528.3) | ✓ |
| **8.17** | **Termination of cables at enclosures - indicate extent of sampling in section d of the report (section 526)** | |
| 8.17.1 | Connections soundly made and under no undue strain (526.6) | ✓ |
| 8.17.2 | No basic insulation of a conductor visible outside enclosure (526.8) | ✓ |
| 8.17.3 | Connections of live conductors adequately enclosed (526.5) | ✓ |
| 8.17.4 | Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5) | ✓ |
| 8.18 | Condition of accessories including socket-outlets, switches and joint boxes (651.2 (v)) | ✓ |
| 8.19 | Suitability of accessories for external influences (512.2) | ✓ |
| 8.20 | Adequacy or working space/accessibility to equipment (132.12; 513.1) | ✓ |
| 8.21 | Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3) | ✓ |
| **9.0 ISOLATION AND SWITCHING** | | |
| **9.1** | **Isolators (Section 460; 537)** | |
| 9.1.1 | Presence and condition of appropriate devices (462; 537.2.7) | ✓ |
| 9.1.2 | Acceptable location - state if local or remote from equipment in question (462; 537.2.7) | ✓ |
| 9.1.3 | Capable of being secured in the OFF position (462.3) | ✓ |
| 9.1.4 | Correct operation verified (643.10) | ✓ |
| 9.1.5 | Clearly identified by position and/or durable marking (537.2.6) | ✓ |
| 9.1.6 | Warning label posted in situations where live parts cannot be isolated by the operation of a single device (514.11.1; 537.1.2) | ✓ |
| **9.2** | **Switching off for mechanical maintenance (Section 464; 537.3.2)** | |
| 9.2.1 | Presence and condition of appropriate devices (464.1; 527.3.2) | ✓ |
| 9.2.2 | Acceptable location - state if local or remote from equipment in question (537.3.2.4) | ✓ |
| 9.2.3 | Capable of being secured in the OFF position (462.3) | ✓ |
| 9.2.4 | Correct operation verified (643.10) | ✓ |
| 9.2.5 | Clearly identified by position and/or durable marking (537.3.2.4) | ✓ |
| **9.3** | **Emergency switching/stopping (465; 537.3.3)** | |
| 9.3.1 | Presence and condition of appropriate devices (Section 465; 537.3.3; 537.4) | ✓ |
| 9.3.2 | Readily accessible for operation where danger might occur (537.3.3.6) | ✓ |
| 9.3.3 | Correct operation verified (643.10) | ✓ |
| 9.3.4 | Clearly identified by position and/or durable marking (537.3.3.6) | ✓ |
| **9.4** | **Functional switching (section 463; 537.3.1)** | |
| 9.4.1 | Presence and condition of appropriate devices (537.3.1.1; 537.3.1.2) | ✓ |
| 9.4.2 | Correct operation verified (537.3.1.1; 537.3.1.2) | ✓ |
| **10.0 CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)** | | |
| 10.1 | Condition of equipment in terms of IP rating etc (416.2) | ✓ |
| 10.2 | Equipment does not constitute a fire hazard (Section 421) | ✓ |
| 10.3 | Enclosure not damaged/deteriorated so as to impair safety (134.1.1; 416.2; 512.2) | ✓ |
| 10.4 | Suitability for the environment and external influences (512.2) | ✓ |
| 10.5 | Security of fixing (134.1.1) | ✓ |
| 10.6 | Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire: List number and location of luminaires inspected (separate page) (527.2) | ✓ |
| **10.7** | **Recessed luminaires (downlighters)** | |
| 10.7.1 | Correct type of lamps fitted (559.3.1) | ✓ |
| 10.7.2 | Installed to minimize build-up of heat by use of "fire rated" fittings, insulation displacement box or similar (421.1.2) | ✓ |

| | | |
|---|---|---|
| 10.7.3 | No signs of overheating to surrounding building fabric (559.4.1) | ✓ |
| 10.7.4 | No signs of overheating to conductors/terminations (526.1) | ✓ |

**11.0 PART 7 SPECIAL INSTALLATIONS OR LOCATIONS**

| | | |
|---|---|---|
| 11.01 | If any special installations or locations are present, list the particular inspections applied. | N/A |

**12.0 Schedule of Tests** Results to be recorded on Schedule of Test Results

| | | |
|---|---|---|
| 12.1 | External earth loop impedance, $Z_e$ | Yes |
| 12.2 | Installation earth electrode | N/A |
| 12.3 | Prospective fault current, $I_{pf}$ | Yes |
| 12.4 | Continuity of Earth Conductors | Yes |
| 12.5 | Continuity of Circuit Protective Conductors | Yes |
| 12.6 | Continuity of ring final circuit | Yes |
| 12.7 | Continuity of Protective Bonding Conductors | Yes |
| 12.8 | Volt drop verified | Yes |

| | | |
|---|---|---|
| 12.9 | Insulation Resistance between Live Conductors | N/A |
| 12.10 | Insulation Resistance between Live Conductors & Earth | Yes |
| 12.11 | Polarity (prior to energisation) | Yes |
| 12.12 | Polarity (after energisation) including phase sequence | Yes |
| 12.13 | Earth Fault Loop Impedance | Yes |
| 12.14 | RCDs/RCBOs including selectivity | Yes |
| 12.15 | Functional testing of RCD devices | Yes |
| 12.16 | Functional testing of AFDD(s) devices | N/A |

Inspector's Name: Tre Lever

Signature: 

Date: 06/07/2022

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Company Name** | PHS Compliance | **Company Address** | Kid Glove Road | **Postcode** | WA3 3GR | **Branch No.** | **Scheme No.** |
| **Client** | UPP Residential Services Ltd | **Installation Address** | Swansea University Bay Campus - Nanhyfer 12, Reception - Ground Floor Tower Information Centre, Fabian Way, Crymlyn Burrows, Swansea | | | **Postcode** | SA1 8EN |

**Distribution board details - Complete in every case**

Location: Kitchen Level 3 RHS (Schneider)
Designation: DB/CL6
Num. of ways: 18 Num. of phases: 1
Supply polarity confirmed: ☑ Phase sequence confirmed: ☐

**Complete only if the distribution board is not connected directly to the origin of the installation**

Supply to distribution board is from: Sub Mains(DB Busbar 2, 11/L3)
Overcurrent protective device for the distribution circuit: BS(EN) 88-2 HRC Type gG Rating 63 A Voltage 230 V

**Characteristics at this distribution board**

Associated RCD(if any): BS (EN) N/A
$Z_d$ 0.17 Ω No. of poles N/A
$I_{pf}$ 1.36 kA IΔn N/A
Time delay (if applicable) NA
Above 30mA Operating at 1 IΔn N/A ms
30mA or below Operating at 5 IΔn N/A ms
(if applicable)

**Test instrument serial number(s)**

Loop impedance 102118371
Insulation resistance 102118371
Continuity 102118371
RCD 102118371

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Circuit designation (DB/CL6) | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Type No. | Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω: Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/L3 | Common Room Lights | A | E | 9 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.21 | N/A | 250 | LIM | >299 | ✓ | 0.37 | 28.7 | 29.7 | ✓ | N/A |
| 2/L3 | Lights Rooms 1,3,5 | A | E | 18 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.26 | N/A | 250 | LIM | >299 | ✓ | 0.43 | 28.7 | 28.7 | ✓ | N/A |
| 3/L3 | Lights Rooms 2,4,6 | A | E | 12 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.32 | N/A | 250 | LIM | >299 | ✓ | 0.49 | 29.6 | 28.6 | ✓ | N/A |
| 4/L3 | Lights Rooms 7,8 | A | E | 12 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.37 | N/A | 250 | LIM | >299 | ✓ | 0.55 | 28.7 | 28.7 | ✓ | N/A |
| 5/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 6/L3 | Ring Main Rooms 1,3,5 | A | E | 21 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.35 | 0.35 | 0.51 | ✓ | 0.21 | N/A | 250 | LIM | >299 | ✓ | 0.40 | 28.7 | 29.7 | ✓ | N/A |
| 7/L3 | Ring Main Rooms 2,4,6 | A | E | 21 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.39 | 0.39 | 0.56 | ✓ | 0.23 | N/A | 250 | LIM | >299 | ✓ | 0.43 | 28.6 | 28.7 | ✓ | N/A |
| 8/L3 | Ring Main Rooms 7,8 | A | E | 18 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.40 | 0.40 | 0.61 | ✓ | 0.25 | N/A | 250 | LIM | >299 | ✓ | 0.50 | 29.7 | 28.7 | ✓ | N/A |
| 9/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 10/L3 | Ring Main Common Room 1 | A | E | 6 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.44 | 0.44 | 0.62 | ✓ | 0.26 | N/A | 250 | LIM | >299 | ✓ | 0.40 | 28.7 | 29.7 | ✓ | N/A |
| 11/L3 | Ring Main Common Room 2 | A | E | 9 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.29 | 0.30 | 0.43 | ✓ | 0.18 | N/A | 250 | LIM | >299 | ✓ | 0.28 | 28.7 | 28.7 | ✓ | N/A |
| 12/L3 | Hob 1 | A | E | 1 | 6 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | N/A | N/A | N/A | N/A | 0.04 | N/A | 250 | LIM | >299 | ✓ | 0.23 | 27.6 | 28.7 | ✓ | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 07/07/2022 To 07/07/2022

Date(s) live testing 07/07/2022 To 07/07/2022

Tested by: Name (capital letters) TRE LEVER Position Electrical Test Engineer Date 07/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

FT/EICR 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices: BS EN Number | Type No. | Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω: Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both: R1 + R2 | R2 | Insulation resistance (Record lower reading): Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing: Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation: RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DB/CL6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13/L3 | Hob 2 | A | E | 1 | 6 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | N/A | N/A | N/A | N/A | 0.05 | N/A | 250 | LIM | >299 | ✓ | 0.22 | 28.7 | 26.7 | ✓ | N/A |
| 14/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 15/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 17/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 07/07/2022 To 07/07/2022

Date(s) live testing 07/07/2022 To 07/07/2022

Tested by: Name (capital letters) TRE LEVER Position Electrical Test Engineer Date 07/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| CIRCUIT DETAILS | | | | | | | | | | | | | | TEST RESULTS | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Overcurrent protective devices Type No. | Overcurrent protective devices Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
| | DB/CL6 / | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 07/07/2022 To 07/07/2022

Date(s) live testing 07/07/2022 To 07/07/2022

Tested by: Name (capital letters) TRE LEVER

Position Electrical Test Engineer

Date 07/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Company Name** | PHS Compliance | **Company Address** | Kid Glove Road | **Postcode** | WA3 3GR | **Branch No.** | **Scheme No.** |
| **Client** | UPP Residential Services Ltd | **Installation Address** | Swansea University Bay Campus - Nanhyfer 12, Reception - Ground Floor Tower Information Centre, Fabian Way, Crymlyn Burrows, Swansea | **Postcode** | SA1 8EN | | |

**Distribution board details - Complete in every case**

Location: 3rd Floor Kitchen RHS (Schneider)
Designation: DB/CL4
Num. of ways: 18 Num. of phases: 1
Supply polarity confirmed: ☑ Phase sequence confirmed: ☐

**Complete only if the distribution board is not connected directly to the origin of the installation**

Supply to distribution board is from: Sub Mains(DB Busbar 1, 6/L3)
Overcurrent protective device for the distribution circuit: BS(EN) 88-2 HRC Type gG Rating 63 A Voltage 230 V

**Characteristics at this distribution board**

Associated RCD(if any): BS (EN) N/A
$Z_d$ 0.17 Ω No. of poles N/A
$I_{pf}$ 1.38 kA IΔn N/A
Time delay (if applicable) NA
Above 30mA Operating at 1 IΔn N/A ms
30mA or below Operating at 5 IΔn N/A ms
(if applicable)

**Test instrument serial number(s)**

Loop impedance 102118371
Insulation resistance 102118371
Continuity 102118371
RCD 102118371

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Type No. | Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω: Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/L3 | Common Room Lights | A | E | 9 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.26 | N/A | 250 | LIM | >299 | ✓ | 0.44 | 29.8 | 28.6 | ✓ | N/A |
| 2/L3 | Lights Rooms 9,10 | A | E | 12 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.47 | N/A | 250 | LIM | >299 | ✓ | 0.67 | 28.7 | 28.7 | ✓ | N/A |
| 3/L3 | Lights Rooms 7,8 | A | E | 12 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.40 | N/A | 250 | LIM | >299 | ✓ | 0.63 | 28.7 | 38.6 | ✓ | N/A |
| 4/L3 | Lights Rooms 1,3,5 | A | E | 18 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.31 | N/A | 250 | LIM | >299 | ✓ | 0.49 | 28.7 | 29.6 | ✓ | N/A |
| 5/L3 | Lights Rooms 2,4,6 | A | E | 18 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.37 | N/A | 250 | LIM | >299 | ✓ | 0.55 | 28.6 | 28.7 | ✓ | N/A |
| 6/L3 | Ring Main Rooms 2,4,6 | A | E | 21 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.39 | 0.40 | 0.58 | ✓ | 0.24 | N/A | 250 | LIM | >299 | ✓ | 0.44 | 28.7 | 28.7 | ✓ | N/A |
| 7/L3 | Ring Main Rooms 1,3,5 | A | E | 21 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.34 | 0.34 | 0.55 | ✓ | 0.22 | N/A | 250 | LIM | >299 | ✓ | 0.40 | 28.7 | 29.7 | ✓ | N/A |
| 8/L3 | Ring Main Rooms 7,8 | A | E | 18 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.24 | 0.23 | 0.33 | ✓ | 0.14 | N/A | 250 | LIM | >299 | ✓ | 0.45 | 29.7 | 28.6 | ✓ | N/A |
| 9/L3 | Ring Main Rooms 9,10 | A | E | 18 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.30 | 0.31 | 0.40 | ✓ | 0.17 | N/A | 250 | LIM | >299 | ✓ | 0.51 | 28.7 | 29.7 | ✓ | N/A |
| 10/L3 | Ring Main Common Room 1 | A | E | 6 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.30 | 0.30 | 0.42 | ✓ | 0.18 | N/A | 250 | LIM | >299 | ✓ | 0.29 | 28.7 | 28.7 | ✓ | N/A |
| 11/L3 | Ring Main Common Room 2 | A | E | 9 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.31 | 0.32 | 0.43 | ✓ | 0.18 | N/A | 250 | LIM | >299 | ✓ | 0.30 | 38.7 | 29.7 | ✓ | N/A |
| 12/L3 | Hob 1 | A | E | 1 | 6 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | N/A | N/A | N/A | N/A | 0.03 | N/A | 250 | LIM | >299 | ✓ | 0.24 | 28.7 | 38.7 | ✓ | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing: 07/07/2022 To 07/07/2022

Date(s) live testing: 07/07/2022 To 07/07/2022

Signature

Tested by: Name (capital letters): TRE LEVER Position: Electrical Test Engineer Date: 07/07/2022

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

FT/EICR 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| CIRCUIT DETAILS | | | | | | | | | | | | | | TEST RESULTS | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) | | Maximum disconnection | Overcurrent protective devices | | | Breaking capacity | RCD operating | BS 7671 Max. permitted Zs Other | Circuit impedance Ω | | | | | | Insulation resistance (Record lower reading) | | | Polarity | Max. Measured Zs | RCD testing | | Manual test button operation | |
| | DB/CL4 | | | | | | | | | | | | | Ring final circuits only (measured end-to-end) | | | Fig 8 check | All circuits to be completed using R1R2 or R2, not both | | Test voltage | L/L, L/N | L/E, N/E | | | Above 30mA IΔn | 30mA or below 5 IΔn | RCD | AFDD |
| | | | | | L / N | CPC | | BS EN Number | Type No. | Rating (A) | (KA) | (mA) | 80% (Ω) | r1 | rn | r2 | (✓) | R1 + R2 | R2 | V | M(Ω) | M(Ω) | (✓) | (Ω) | ms | ms | (✓) | (✓) |
| 13/L3 | Hob 2 | A | E | 1 | 6 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | N/A | N/A | N/A | N/A | 0.04 | N/A | 250 | LIM | >299 | ✓ | 0.23 | 28.7 | 28.7 | ✓ | N/A |
| 14/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 15/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 17/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 07/07/2022 To 07/07/2022

Date(s) live testing 07/07/2022 To 07/07/2022

Tested by: Name (capital letters) TRE LEVER Position Electrical Test Engineer Date 07/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| CIRCUIT DETAILS | | | | | | | | | | | | | | TEST RESULTS | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Overcurrent protective devices Type No. | Overcurrent protective devices Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
| | DB/CL4 / | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 07/07/2022 To 07/07/2022

Date(s) live testing 07/07/2022 To 07/07/2022

Tested by: Name (capital letters) TRE LEVER

Position Electrical Test Engineer

Date 07/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

FT/EICR 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Company Name** | PHS Compliance | **Company Address** | Kid Glove Road | **Postcode** | WA3 3GR | **Branch No.** | **Scheme No.** |
| **Client** | UPP Residential Services Ltd | **Installation Address** | Swansea University Bay Campus - Nanhyfer 12, Reception - Ground Floor Tower Information Centre, Fabian Way, Crymlyn Burrows, Swansea | **Postcode** | SA1 8EN | | |

**Distribution board details - Complete in every case**

Location: Ground Floor Plant Room (Schneider)
Designation: DB/M
Num. of ways: 12 Num. of phases: 3
Supply polarity confirmed: ✓ Phase sequence confirmed: ✓

**Complete only if the distribution board is not connected directly to the origin of the installation**

Supply to distribution board is from:
Overcurrent protective device for the distribution circuit: BS(EN) N/A Type N/A Rating N/A A Voltage N/A V

**Characteristics at this distribution board**

Associated RCD(if any): BS (EN) N/A
$Z_d$ 0.11 Ω No. of poles N/A
$I_{pf}$ 4.40 kA IΔn N/A
Time delay (if applicable) NA
Above 30mA Operating at 1 IΔn NA ms
30mA or below Operating at 5 IΔn NA ms
(if applicable)

**Test instrument serial number(s)**

Loop impedance 102118371
Insulation resistance 102118371
Continuity 102118371
RCD 102118371

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation: DB/M<br>Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Type No. | Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω: Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both: R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing: Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation: RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/TP | Surge Protection Unit | D | B | 1 | 16 | 16 | 5 | 60947 MCCB | N/A | 80 | 50 | N/A | 0.36 | N/A | N/A | N/A | N/A | 0.01 | N/A | 250 | LIM | >299 | ✓ | 0.11 | N/A | N/A | N/A | N/A |
| 2/TP | Sub Mains(DB Busbar 1) | G | E | 1 | 50 | 25 | 5 | 60947 MCCB | N/A | 160 | 50 | N/A | 0.15 | N/A | N/A | N/A | N/A | 0.02 | N/A | 250 | LIM | >299 | ✓ | 0.14- | N/A | N/A | N/A | N/A |
| 3/TP | Sub Mains(DB/LL1/P, DB/LL1/L) | G | E | 1 | 25 | SWA | 5 | 60947 MCCB | N/A | 100 | 50 | N/A | 0.24 | N/A | N/A | N/A | N/A | 0.03 | N/A | 250 | LIM | >299 | ✓ | 0.15 | N/A | N/A | N/A | N/A |
| 4/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 6/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 7/TP | Sub Mains(DB Busbar 2) | G | E | 1 | 50 | 25 | 5 | 60947 MCCB | N/A | 160 | 50 | N/A | 0.15 | N/A | N/A | N/A | N/A | 0.02 | N/A | 250 | LIM | >299 | ✓ | 0.14 | N/A | N/A | N/A | N/A |
| 8/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 10/L1 | Sub Mains(DB EXT 1) | D | B | 1 | 10 | 10 | 5 | 60947 MCCB | N/A | 40 | 25 | N/A | 1.01 | N/A | N/A | N/A | N/A | 0.02 | N/A | 250 | LIM | >299 | ✓ | 0.14 | N/A | N/A | N/A | N/A |
| 10/L2 | Disabled Refuge Panel | O | E | 1 | 2.5 | 2.5 | 0.4 | 60947 MCCB | N/A | 16 | 25 | N/A | 1.01 | N/A | N/A | N/A | N/A | 0.14 | N/A | 250 | LIM | >299 | ✓ | 0.30 | N/A | N/A | N/A | N/A |
| 10/L3 | Fire Alarm Panel | O | E | 1 | 2.5 | 2.5 | 0.4 | 60947 MCCB | N/A | 16 | 25 | N/A | 1.01 | N/A | N/A | N/A | N/A | 0.07 | N/A | 250 | LIM | >299 | ✓ | 0.25 | N/A | N/A | N/A | N/A |
| 11/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 12/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 06/07/2022 To 06/07/2022

Date(s) live testing 06/07/2022 To 06/07/2022

Tested by: Name (capital letters) TRE LEVER Position Electrical Test Engineer Date 06/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices: BS EN Number | Type No. | Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω: Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both: R1 + R2 | R2 | Insulation resistance (Record lower reading): Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing: Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation: RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 06/07/2022 To 06/07/2022

Date(s) live testing 06/07/2022 To 06/07/2022

Signature

Tested by: Name (capital letters) TRE LEVER

Position Electrical Test Engineer

Date 06/07/2022

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Company Name** | PHS Compliance | **Company Address** | Kid Glove Road | **Postcode** | WA3 3GR | **Branch No.** | **Scheme No.** |
| **Client** | UPP Residential Services Ltd | **Installation Address** | Swansea University Bay Campus - Nanhyfer 12, Reception - Ground Floor Tower Information Centre, Fabian Way, Crymlyn Burrows, Swansea | **Postcode** | SA1 8EN | | |

**Distribution board details - Complete in every case**

Location: Level 4 Kitchen RHS (Schneider)
Designation: DB/CL8
Num. of ways: 18 Num. of phases: 1
Supply polarity confirmed: ☑ Phase sequence confirmed: ☐

**Complete only if the distribution board is not connected directly to the origin of the installation**

Supply to distribution board is from: Sub Mains(DB Busbar 1, 9/L2)
Overcurrent protective device for the distribution circuit: BS(EN) 88-2 HRC Type gG Rating 63 A Voltage 400 V

**Characteristics at this distribution board**

Associated RCD(if any): BS (EN) N/A
$Z_d$ 0.16 Ω No. of poles N/A
$I_{pf}$ 1.46 kA IΔn N/A
Time delay (if applicable) NA
Above 30mA Operating at 1 IΔn N/A ms
30mA or below Operating at 5 IΔn N/A ms
(if applicable)

**Test instrument serial number(s)**

Loop impedance 102118371
Insulation resistance 102118371
Continuity 102118371
RCD 102118371

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Type No. | Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/L2 | Common Room Lights | A | E | 9 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.30 | N/A | 250 | LIM | >299 | ✓ | 0.49 | 28.7 | 28.7 | ✓ | N/A |
| 2/L2 | Lights Rooms 3,4,5 | A | E | 18 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.37 | N/A | 250 | LIM | >299 | ✓ | 0.55 | 29.7 | 28.7 | ✓ | N/A |
| 3/L2 | Lights Rooms 1,2 | A | E | 12 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.26 | N/A | 250 | LIM | >299 | ✓ | 0.44 | 28.7 | 29.7 | ✓ | N/A |
| 4/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 6/L2 | Ring Main Rooms 1,2 | A | E | 18 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.36 | 0.35 | 0.47 | ✓ | 0.20 | N/A | 250 | LIM | >299 | ✓ | 0.40 | 28.7 | 29.7 | ✓ | N/A |
| 7/L2 | Ring Main Rooms 3,4,5 | A | E | 21 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.34 | 0.35 | 0.46 | ✓ | 0.19 | N/A | 250 | LIM | >299 | ✓ | 0.44 | 28.6 | 28.7 | ✓ | N/A |
| 8/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 10/L2 | Ring Main Common Room 1 | A | E | 6 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.32 | 0.31 | 0.43 | ✓ | 0.17 | N/A | 250 | LIM | >299 | ✓ | 0.28 | 29.7 | 28.6 | ✓ | N/A |
| 11/L2 | Ring Main Common Room 2 | A | E | 9 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.35 | 0.34 | 0.44 | ✓ | 0.18 | N/A | 250 | LIM | >299 | ✓ | 0.27 | 28.6 | 28.7 | ✓ | N/A |
| 12/L2 | Hob 1 | A | E | 1 | 6 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | N/A | N/A | N/A | N/A | 0.04 | N/A | 250 | LIM | >299 | ✓ | 0.24 | 28.6 | 28.5 | ✓ | N/A |
| 13/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing: 08/07/2022 To: 08/07/2022

Date(s) live testing: 08/07/2022 To: 08/07/2022

Tested by: Name (capital letters): TRE LEVER Position: Electrical Test Engineer Date: 08/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

FT/EICR 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| CIRCUIT DETAILS | | | | | | | | | | | | | | TEST RESULTS | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) | | Maximum disconnection | Overcurrent protective devices | | | Breaking capacity | RCD operating | BS 7671 Max. permitted Zs Other | Circuit impedance Ω | | | | | | Insulation resistance (Record lower reading) | | | Polarity | Max. Measured Zs | RCD testing | | Manual test button operation | |
| | DB/CL8 | | | | | | | | | | | | 80% | Ring final circuits only (measured end-to-end) | | | Fig 8 check | All circuits to be completed using R1R2 or R2, not both | | Test voltage | L/L, L/N | L/E, N/E | | | Above 30mA IΔn | 30mA or below 5 IΔn | RCD | AFDD |
| | | | | | L / N | CPC | | BS EN Number | Type No. | Rating (A) | (KA) | (mA) | (Ω) | r1 | rn | r2 | (✓) | R1 + R2 | R2 | V | M(Ω) | M(Ω) | (✓) | (Ω) | ms | ms | (✓) | (✓) |
| 14/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 15/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 17/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
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Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 08/07/2022 To 08/07/2022

Date(s) live testing 08/07/2022 To 08/07/2022

Tested by: Name (capital letters) TRE LEVER

Position Electrical Test Engineer

Date 08/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

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# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| CIRCUIT DETAILS | | | | | | | | | | | | | | TEST RESULTS | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Overcurrent protective devices Type No. | Overcurrent protective devices Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
| | DB/CL8 / | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 08/07/2022 To 08/07/2022

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Tested by: Name (capital letters) TRE LEVER

Position Electrical Test Engineer

Date 08/07/2022

Signature

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# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

FT/EICR 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Company Name** | PHS Compliance | **Company Address** | Kid Glove Road | **Postcode** | WA3 3GR | **Branch No.** | **Scheme No.** |
| **Client** | UPP Residential Services Ltd | **Installation Address** | Swansea University Bay Campus - Nanhyfer 12, Reception - Ground Floor Tower Information Centre, Fabian Way, Crymlyn Burrows, Swansea | | | **Postcode** | SA1 8EN |

**Distribution board details - Complete in every case**

Location: Service Riser (Schneider)
Designation: DB Busbar 1
Num. of ways: 20 Num. of phases: 3
Supply polarity confirmed ☐ Phase sequence confirmed ☐

**Complete only if the distribution board is not connected directly to the origin of the installation**

Supply to distribution board is from: Sub Mains(DB/M, 2/TP)
Overcurrent protective device for the distribution circuit: BS(EN) 60947 MCCB Type Rating 160 A Voltage 400 V

**Characteristics at this distribution board**

Associated RCD(if any): BS (EN) N/A
$Z_d$ 0.14- Ω No. of poles N/A
$I_{pf}$ 2.84 kA IΔn N/A
Time delay (if applicable) NA
Operating at 1 IΔn N/A ms
Operating at 5 IΔn N/A ms
Above 30mA 30mA or below (if applicable)

**Test instrument serial number(s)**

Loop impedance 102118371
Insulation resistance 102118371
Continuity 102118371
RCD 102118371

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Type No. | Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/TP | Sub Mains(DB/LL3/L, DB/LL3/P ) | D | B | 1 | 16 | 16 | 5 | 88-2 HRC | gG | 63 | 80 | N/A | 0.62 | N/A | N/A | N/A | N/A | 0.01 | N/A | 250 | LIM | >299 | ✓ | 0.15 | N/A | N/A | N/A | N/A |
| 2/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 3/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 4/L1 | Sub Mains(DB CL1) | A | B | 1 | 16 | 16 | 5 | 88-2 HRC | gG | 63 | 80 | N/A | 0.62 | N/A | N/A | N/A | N/A | 0.02 | N/A | 250 | LIM | >299 | ✓ | 0.15 | N/A | N/A | N/A | N/A |
| 4/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 4/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5/L1 | Sub Mains(DB/CL2) | A | B | 1 | 16 | 16 | 5 | 88-2 HRC | gG | 63 | 80 | N/A | 0.62 | N/A | N/A | N/A | N/A | 0.02 | N/A | 250 | LIM | >299 | ✓ | 0.15 | N/A | N/A | N/A | N/A |
| 5/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 6/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 6/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 6/L3 | Sub Mains(DB/CL4) | A | B | 1 | 16 | 16 | 5 | 88-2 HRC | gG | 63 | 80 | N/A | 0.62 | N/A | N/A | N/A | N/A | 0.03 | N/A | 250 | LIM | >299 | ✓ | 0.17 | N/A | N/A | N/A | N/A |
| 7/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 8/L1 | Sub Mains(DB/CL7) | A | B | 1 | 16 | 16 | 5 | 88-2 HRC | gG | 63 | 80 | N/A | 0.62 | N/A | N/A | N/A | N/A | 0.02 | N/A | 250 | LIM | >299 | ✓ | 0.16 | N/A | N/A | N/A | N/A |
| 8/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 08/07/2022 To 08/07/2022

Date(s) live testing 08/07/2022 To 08/07/2022

Signature

Tested by: Name (capital letters) TRE LEVER Position Electrical Test Engineer Date 08/07/2022

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**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Overcurrent protective devices Type No. | Overcurrent protective devices Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | r2 | rn | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9/L2 | Sub Mains(DB/CL8) | A | B | 1 | 16 | 16 | 5 | 88-2 HRC | gG | 63 | 80 | N/A | 0.62 | N/A | N/A | N/A | N/A | 0.01 | N/A | 250 | LIM | >299 | ✓ | 0.16 | N/A | N/A | N/A | N/A |
| 9/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 10/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 12/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 13/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 14/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 15/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 17/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 20/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
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Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 08/07/2022 To 08/07/2022

Date(s) live testing 08/07/2022 To 08/07/2022

Tested by: Name (capital letters) TRE LEVER

Position Electrical Test Engineer

Date 08/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Overcurrent protective devices Type No. | Overcurrent protective devices Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | r2 | rn | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 08/07/2022 To 08/07/2022

Date(s) live testing 08/07/2022 To 08/07/2022

Tested by: Name (capital letters) TRE LEVER

Position Electrical Test Engineer

Date 08/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Company Name** | PHS Compliance | **Company Address** | Kid Glove Road | **Postcode** | WA3 3GR | **Branch No.** | **Scheme No.** |
| **Client** | UPP Residential Services Ltd | **Installation Address** | Swansea University Bay Campus - Nanhyfer 12, Reception - Ground Floor Tower Information Centre, Fabian Way, Crymlyn Burrows, Swansea | **Postcode** | SA1 8EN | | |

**Distribution board details - Complete in every case**

Location: 2nd Floor Riser (Schneider)
Designation: DB/LL3/P
Num. of ways: 8 Num. of phases: 3
Supply polarity confirmed: ✓ Phase sequence confirmed: ✓

**Complete only if the distribution board is not connected directly to the origin of the installation**

Supply to distribution board is from: Sub Mains(DB Busbar 1, 1/TP)
Overcurrent protective device for the distribution circuit: BS(EN) 88-2 HRC Type gG Rating 63 A Voltage 400 V

**Characteristics at this distribution board**

Associated RCD(if any): BS (EN) N/A
$Z_d$ 0.15 Ω No. of poles N/A
$I_{pf}$ 2.98 kA IΔn N/A
Time delay (if applicable) NA
Above 30mA Operating at 1 IΔn N/A ms
30mA or below Operating at 5 IΔn N/A ms
(if applicable)

**Test instrument serial number(s)**

Loop impedance 102118371
Insulation resistance 102118371
Continuity 102118371
RCD 102118371

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Type No. | Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/L1 | Sockets GF,1st,2nd | A | E | 12 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 1.38 | 1.39 | 1.87 | ✓ | 0.81 | N/A | 250 | LIM | >299 | ✓ | 0.53 | 28.9 | 22.9 | ✓ | N/A |
| 1/L2 | Sockets Corridor 3rd Floor | A | E | 7 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 1.08 | 1.10 | 1.66 | ✓ | 0.68 | N/A | 250 | LIM | >299 | ✓ | 0.47 | 28.9 | 24.0 | ✓ | N/A |
| 1/L3 | Sockets Corridor 4th Floor | A | E | 7 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 1.18 | 1.18 | 1.77 | ✓ | 0.73 | N/A | 250 | LIM | >299 | ✓ | 0.51 | 33.8 | 27.4 | ✓ | N/A |
| 2/L1 | AOV 2nd Floor | A | E | 1 | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.23 | N/A | 250 | LIM | >299 | ✓ | 0.40 | 38.7 | 24.4 | ✓ | N/A |
| 2/L2 | AOV 2nd Floor | A | E | 1 | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.26 | N/A | 250 | LIM | >299 | ✓ | 0.45 | 29.8 | 27.8 | ✓ | N/A |
| 2/L3 | AOV 2nd Floor | A | E | 1 | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.23 | N/A | 250 | LIM | >299 | ✓ | 0.40 | 29.8 | 24.8 | ✓ | N/A |
| 3/L1 | AOV 3rd Floor | A | E | 1 | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.27 | N/A | 250 | LIM | >299 | ✓ | 0.44 | 38.9 | 33.9 | ✓ | N/A |
| 3/L2 | AOV 3rd Floor | A | E | 1 | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.25 | N/A | 250 | LIM | >299 | ✓ | 0.46 | 44.8 | 38.6 | ✓ | N/A |
| 3/L3 | AOV 3rd Floor | A | E | 1 | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.27 | N/A | 250 | LIM | >299 | ✓ | 0.46 | 43.8 | 24.9 | ✓ | N/A |
| 4/L1 | AOV 4th Floor | A | E | 1 | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.28 | N/A | 250 | LIM | >299 | ✓ | 0.45 | 38.7 | 28.7 | ✓ | N/A |
| 4/L2 | AOV 4th Floor | A | E | 1 | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.28 | N/A | 250 | LIM | >299 | ✓ | 0.47 | 37.6 | 22.7 | ✓ | N/A |
| 4/L3 | AOV 4th Floor | A | E | 1 | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.27 | N/A | 250 | LIM | >299 | ✓ | 0.47 | 28.9 | 22.7 | ✓ | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing: 06/07/2022 To 06/07/2022
Date(s) live testing: 06/07/2022 To 06/07/2022

Tested by: Name (capital letters): TRE LEVER Position: Electrical Test Engineer Date: 06/07/2022
Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices: BS EN Number | Type No. | Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω: Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both: R1 + R2 | R2 | Insulation resistance (Record lower reading): Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing: Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation: RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/L1 | AOV 4th Floor | A | E | 1 | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.26 | N/A | 250 | LIM | >299 | ✓ | 0.47 | 44.9 | 38.9 | ✓ | N/A |
| 5/L2 | Access Control | A | E | 1 | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | C | 16 | 10 | 30 | 1.09 | N/A | N/A | N/A | N/A | 0.12 | N/A | 250 | LIM | >299 | ✓ | 0.30 | 37.6 | 24.8 | ✓ | N/A |
| 5/L3 | MAG Lock | A | E | 1 | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.14 | N/A | 250 | LIM | >299 | ✓ | 0.34 | 35.9 | 23.9 | ✓ | N/A |
| 6/L1 | Fire Shutter GF,1st Floor | A | E | 2 | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.16 | N/A | 250 | LIM | >299 | ✓ | 0.38 | 49.8 | 33.8 | ✓ | N/A |
| 6/L2 | Fire Shutter 2nd,3rd Floor | A | E | 2 | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.24 | N/A | 250 | LIM | >299 | ✓ | 0.40 | 35.7 | 22.8 | ✓ | N/A |
| 6/L3 | Fire Shutter 4th Floor | A | E | 1 | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.25 | N/A | 250 | LIM | >299 | ✓ | 0.44 | 22.8 | 18.8 | ✓ | N/A |
| 7/L1 | AOV 4th Floor | A | E | 1 | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.26 | N/A | 250 | LIM | >299 | ✓ | 0.49 | 49.8 | 34.3 | ✓ | N/A |
| 7/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 7/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 8/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 8/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 8/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 06/07/2022 To 06/07/2022

Date(s) live testing 06/07/2022 To 06/07/2022

Tested by: Name (capital letters) TRE LEVER Position Electrical Test Engineer Date 06/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

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# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

FT/EICR 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| CIRCUIT DETAILS | | | | | | | | | | | | | | TEST RESULTS | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Overcurrent protective devices Type No. | Overcurrent protective devices Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 06/07/2022 To 06/07/2022

Date(s) live testing 06/07/2022 To 06/07/2022

Tested by: Name (capital letters) TRE LEVER

Position Electrical Test Engineer

Date 06/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Company Name** | PHS Compliance | **Company Address** | Kid Glove Road | **Postcode** | WA3 3GR | **Branch No.** | **Scheme No.** |
| **Client** | UPP Residential Services Ltd | **Installation Address** | Swansea University Bay Campus - Nanhyfer 12, Reception - Ground Floor Tower Information Centre, Fabian Way, Crymlyn Burrows, Swansea | **Postcode** | SA1 8EN | | |

**Distribution board details - Complete in every case**

Location: 2nd Floor Kitchen LHS (Schneider)
Designation: DB/CL2
Num. of ways: 18 Num. of phases: 1
Supply polarity confirmed: ☑ Phase sequence confirmed: ☐

**Complete only if the distribution board is not connected directly to the origin of the installation**

Supply to distribution board is from: Sub Mains(DB Busbar 1, 5/L1)
Overcurrent protective device for the distribution circuit: BS(EN) 88-2 HRC Type gG Rating 63 A Voltage 230 V

**Characteristics at this distribution board**

Associated RCD(if any): BS (EN) N/A
$Z_d$ 0.15 Ω No. of poles N/A
$I_{pf}$ 1.48 kA IΔn N/A
Time delay (if applicable) NA
Above 30mA Operating at 1 IΔn N/A ms
30mA or below Operating at 5 IΔn N/A ms
(if applicable)

**Test instrument serial number(s)**

Loop impedance 102118371
Insulation resistance 102118371
Continuity 102118371
RCD 102118371

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Type No. | Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/L1 | Common Room Lights | A | E | 9 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.30 | N/A | 250 | LIM | >299 | ✓ | 0.46 | 29.8 | 23.8 | ✓ | N/A |
| 2/L1 | Rooms 3,4,5 Lights | A | E | 18 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.52 | N/A | 250 | LIM | >299 | ✓ | 0.69 | 38.7 | 28.6 | ✓ | N/A |
| 3/L1 | Rooms 1,2 Lights | A | E | 12 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.39 | N/A | 250 | LIM | >299 | ✓ | 0.55 | 39.7 | 28.7 | ✓ | N/A |
| 4/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 6/L1 | Ring Main Room 1,2 | A | E | 18 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.38 | 0.37 | 0.52 | ✓ | 0.22 | N/A | 250 | LIM | >299 | ✓ | 0.42 | 39.7 | 27.9 | ✓ | N/A |
| 7/L1 | Ring Main Room 3,4,5 | A | E | 21 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.26 | 0.26 | 0.39 | ✓ | 0.16 | N/A | 250 | LIM | >299 | ✓ | 0.50 | 39.9 | 27.8 | ✓ | N/A |
| 8/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 10/L1 | Ring Main Common Room 1 | A | E | 6 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.35 | 0.34 | 0.44 | ✓ | 0.18 | N/A | 250 | LIM | >299 | ✓ | 0.38 | 37.8 | 37.5 | ✓ | N/A |
| 11/L1 | Ring Main Common Room 2 | A | E | 9 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.26 | 0.27 | 0.38 | ✓ | 0.14 | N/A | 250 | LIM | >299 | ✓ | 0.26 | 37.8 | 33.2 | ✓ | N/A |
| 12/L1 | Hob | A | E | 1 | 6 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | N/A | N/A | N/A | N/A | 0.06 | N/A | 250 | LIM | >299 | ✓ | 0.24 | 40.1 | 38.8 | ✓ | N/A |
| 13/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing: 07/07/2022 To: 07/07/2022

Date(s) live testing: 07/07/2022 To: 07/07/2022

Tested by: Name (capital letters): TRE LEVER Position: Electrical Test Engineer Date: 07/07/2022

Signature:

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Overcurrent protective devices Type No. | Overcurrent protective devices Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | r2 | rn | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 15/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 17/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 07/07/2022 To 07/07/2022

Date(s) live testing 07/07/2022 To 07/07/2022

Tested by: Name (capital letters) TRE LEVER Position Electrical Test Engineer Date 07/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

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# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| CIRCUIT DETAILS | | | | | | | | | | | | | | TEST RESULTS | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Overcurrent protective devices Type No. | Overcurrent protective devices Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
| | DB/CL2 / | | | | | | | | | | | | 80% (Ω) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 07/07/2022 To 07/07/2022

Date(s) live testing 07/07/2022 To 07/07/2022

Tested by: Name (capital letters) TRE LEVER

Position Electrical Test Engineer

Date 07/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Company Name** | PHS Compliance | **Company Address** | Kid Glove Road | **Postcode** | WA3 3GR | **Branch No.** | **Scheme No.** |
| **Client** | UPP Residential Services Ltd | **Installation Address** | Swansea University Bay Campus - Nanhyfer 12, Reception - Ground Floor Tower Information Centre, Fabian Way, Crymlyn Burrows, Swansea | **Postcode** | SA1 8EN | | |

**Distribution board details - Complete in every case**

Location: Level 2 Kitchen RHS (Schneider)
Designation: DB/CL3
Num. of ways: 18 Num. of phases: 1
Supply polarity confirmed: ☑ Phase sequence confirmed: ☐

**Complete only if the distribution board is not connected directly to the origin of the installation**

Supply to distribution board is from: Sub Mains(DB Busbar 2, 6/L1)
Overcurrent protective device for the distribution circuit: BS(EN) 88-2 HRC Type gG Rating 63 A Voltage 230 V

**Characteristics at this distribution board**

Associated RCD(if any): BS (EN) N/A
$Z_d$ 0.16 Ω No. of poles N/A
$I_{pf}$ 1.46 kA IΔn N/A
Time delay (if applicable) NA
Above 30mA Operating at 1 IΔn N/A ms
30mA or below Operating at 5 IΔn N/A ms
(if applicable)

**Test instrument serial number(s)**

Loop impedance 102118371
Insulation resistance 102118371
Continuity 102118371
RCD 102118371

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Circuit designation (DB/CL3) | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Type No. | Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω: Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both: R1 + R2 | R2 | Insulation resistance (Record lower reading): Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing: Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation: RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/L1 | Common Room Lights | A | E | 9 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.23 | N/A | 250 | LIM | >299 | ✓ | 0.40 | 39.8 | 28.6 | ✓ | N/A |
| 2/L1 | Lights Rooms 1,3,5 | A | E | 18 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.26 | N/A | 250 | LIM | >299 | ✓ | 0.48 | 38.9 | 27.7 | ✓ | N/A |
| 3/L1 | Lights Rooms 2,4,6 | A | E | 18 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.38 | N/A | 250 | LIM | >299 | ✓ | 0.55 | 40.4 | 27.9 | ✓ | N/A |
| 4/L1 | Lights Rooms 7,8 | A | E | 12 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.42 | N/A | 250 | LIM | >299 | ✓ | 0.59 | 38.9 | 29.8 | ✓ | N/A |
| 5/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 6/L1 | Ring Main Rooms 1,3,5 | A | E | 21 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.31 | 0.31 | 0.44 | ✓ | 0.18 | N/A | 250 | LIM | >299 | ✓ | 0.42 | 33.8 | 28.6 | ✓ | N/A |
| 7/L1 | Ring Main Rooms 2,4,6 | A | E | 21 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.35 | 0.35 | 0.52 | ✓ | 0.21 | N/A | 250 | LIM | >299 | ✓ | 0.49 | 38.8 | 27.9 | ✓ | N/A |
| 8/L1 | Ring Main Rooms 7,8 | A | E | 18 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.44 | 0.45 | 0.60 | ✓ | 0.26 | N/A | 250 | LIM | >299 | ✓ | 0.50 | 39.9 | 28.9 | ✓ | N/A |
| 9/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 10/L1 | Ring Main Common Room 1 | A | E | 6 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.32 | 0.31 | 0.42 | ✓ | 0.17 | N/A | 250 | LIM | >299 | ✓ | 0.30 | 39.8 | 27.8 | ✓ | N/A |
| 11/L1 | Ring Main Common Room 2 | A | E | 9 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.33 | 0.33 | 0.44 | ✓ | 0.18 | N/A | 250 | LIM | >299 | ✓ | 0.25 | 38.9 | 28.9 | ✓ | N/A |
| 12/L1 | Hob 1 | A | E | 1 | 6 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | N/A | N/A | N/A | N/A | 0.06 | N/A | 250 | LIM | >299 | ✓ | 0.24 | 38.7 | 28.9 | ✓ | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 07/07/2022 To 07/07/2022
Date(s) live testing 07/07/2022 To 07/07/2022

Tested by: Name (capital letters) TRE LEVER Position Electrical Test Engineer Date 07/07/2022
Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

FT/EICR 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| CIRCUIT DETAILS | | | | | | | | | | | | | | TEST RESULTS | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Overcurrent protective devices Type No. | Overcurrent protective devices Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
| 13/L1 | Hob 2 | A | E | 1 | 6 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | N/A | N/A | N/A | N/A | 0.06 | N/A | 250 | LIM | >299 | ✓ | 0.23 | 37.9 | 27.8 | ✓ | N/A |
| 14/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 15/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 17/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 07/07/2022 To 07/07/2022

Date(s) live testing 07/07/2022 To 07/07/2022

Tested by: Name (capital letters) TRE LEVER Position Electrical Test Engineer Date 07/07/2022

Signature

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# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| CIRCUIT DETAILS | | | | | | | | | | | | | | TEST RESULTS | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Overcurrent protective devices Type No. | Overcurrent protective devices Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
| | DB/CL3 / | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 07/07/2022 To 07/07/2022

Date(s) live testing 07/07/2022 To 07/07/2022

Tested by: Name (capital letters) TRE LEVER

Position Electrical Test Engineer

Date 07/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

FT/EICR 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Company Name** | PHS Compliance | **Company Address** | Kid Glove Road | **Postcode** | WA3 3GR | **Branch No.** | **Scheme No.** |
| **Client** | UPP Residential Services Ltd | **Installation Address** | Swansea University Bay Campus - Nanhyfer 12, Reception - Ground Floor Tower Information Centre, Fabian Way, Crymlyn Burrows, Swansea | | | **Postcode** | SA1 8EN |

**Distribution board details - Complete in every case**

Location: 2nd Floor Riser (Schneider)
Designation: DB/LL3/L
Num. of ways: 8 Num. of phases: 3
Supply polarity confirmed: ✓ Phase sequence confirmed: ✓

**Complete only if the distribution board is not connected directly to the origin of the installation**

Supply to distribution board is from: Sub Mains(DB Busbar 1, 1/TP)
Overcurrent protective device for the distribution circuit: BS(EN) 88-2 HRC Type gG Rating 63 A Voltage 400 V

**Characteristics at this distribution board**

Associated RCD(if any): BS (EN) N/A
$Z_d$ 0.15 Ω No. of poles N/A
$I_{pf}$ 2.98 kA IΔn N/A
Time delay (if applicable) NA
Above 30mA Operating at 1 IΔn N/A ms
30mA or below Operating at 5 IΔn N/A ms
(if applicable)

**Test instrument serial number(s)**

Loop impedance 102118371
Insulation resistance 102118371
Continuity 102118371
RCD 102118371

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Type No. | Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/L1 | Corridor 2nd Floor Lights | A | E | 12 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.04 | N/A | 250 | LIM | >299 | ✓ | 0.20 | 38.7 | 27.6 | ✓ | N/A |
| 1/L2 | Corridor 3rd Floor Lights | A | E | 12 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.05 | N/A | 250 | LIM | >299 | ✓ | 0.21 | 39.8 | 27.4 | ✓ | N/A |
| 1/L3 | Corridor 4th Floor Lights | A | E | 12 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.03 | N/A | 250 | LIM | >299 | ✓ | 0.20 | 37.8 | 22.4 | ✓ | N/A |
| 2/L1 | Corridor 2nd Floor Lights | A | E | 14 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.02 | N/A | 250 | LIM | >299 | ✓ | 0.18 | 39.9 | 28.9 | ✓ | N/A |
| 2/L2 | Corridor 3rd Floor Lights | A | E | 14 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.02 | N/A | 250 | LIM | >299 | ✓ | 0.17 | 38.7 | 28.7 | ✓ | N/A |
| 2/L3 | Corridor 4th Floor Lights | A | E | 14 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.01 | N/A | 250 | LIM | >299 | ✓ | 0.17 | 29.7 | 27.8 | ✓ | N/A |
| 3/L1 | Corridor 2nd Floor Lights | A | E | 12 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.02 | N/A | 250 | LIM | >299 | ✓ | 0.19 | 36.7 | 29.8 | ✓ | N/A |
| 3/L2 | Corridor 3rd Floor Lights | A | E | 12 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.03 | N/A | 250 | LIM | >299 | ✓ | 0.18 | 39.8 | 29.7 | ✓ | N/A |
| 3/L3 | Corridor 4th Floor Lights | A | E | 12 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.02 | N/A | 250 | LIM | >299 | ✓ | 0.17 | 38.9 | 29.8 | ✓ | N/A |
| 4/L1 | Stairs 2nd Floor Lights | A | E | 15 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.01 | N/A | 250 | LIM | >299 | ✓ | 0.17 | 28.8 | 24.6 | ✓ | N/A |
| 4/L2 | Stairs GF & 1F Lights | A | E | 36 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.03 | N/A | 250 | LIM | >299 | ✓ | 0.18 | 41.0 | 29.8 | ✓ | N/A |
| 4/L3 | Lighting Controller | A | E | 1 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.02 | N/A | 250 | LIM | >299 | ✓ | 0.20 | 33.8 | 28.8 | ✓ | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing: 06/07/2022 To 06/07/2022
Date(s) live testing: 06/07/2022 To 06/07/2022

Tested by: Name (capital letters): TRE LEVER Position: Electrical Test Engineer Date: 06/07/2022
Signature:

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation: DB/LL3/L<br>Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²): L / N | Circuit conductors csa (mm²): CPC | Maximum disconnection | Overcurrent protective devices: BS EN Number | Overcurrent protective devices: Type No. | Overcurrent protective devices: Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω: Ring final circuits only (measured end-to-end): r1 | r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both: R1 + R2 | R2 | Insulation resistance (Record lower reading): Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing: Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation: RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5/L2 | Stairs 3rd Floor Lights | A | E | 15 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | N/A | 0.01 | N/A | 250 | LIM | >299 | ✓ | 0.18 | 38.9 | 28.6 | ✓ | N/A |
| 5/L3 | Stairs 4th Floor Lights | A | E | 15 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | N/A | 0.02 | N/A | 250 | LIM | >299 | ✓ | 0.18 | 39.8 | 28.7 | ✓ | N/A |
| 6/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 7/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 8/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 06/07/2022 To 06/07/2022

Date(s) live testing 06/07/2022 To 06/07/2022

Signature

Tested by: Name (capital letters) TRE LEVER Position Electrical Test Engineer Date 06/07/2022

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| CIRCUIT DETAILS | | | | | | | | | | | | | | TEST RESULTS | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Overcurrent protective devices Type No. | Overcurrent protective devices Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
| | DB/LL3/L | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 06/07/2022 To 06/07/2022

Date(s) live testing 06/07/2022 To 06/07/2022

Tested by: Name (capital letters) TRE LEVER

Position Electrical Test Engineer

Date 06/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Company Name** | PHS Compliance | **Company Address** | Kid Glove Road | **Postcode** | WA3 3GR | **Branch No.** | **Scheme No.** |
| **Client** | UPP Residential Services Ltd | **Installation Address** | Swansea University Bay Campus - Nanhyfer 12, Reception - Ground Floor Tower Information Centre, Fabian Way, Crymlyn Burrows, Swansea | **Postcode** | SA1 8EN | | |

**Distribution board details - Complete in every case**

Location: 2nd Floor Kitchen RHS [Schneider]
Designation: DB CL1
Num. of ways: 18 Num. of phases: 1
Supply polarity confirmed: ☑ Phase sequence confirmed: ☐

**Complete only if the distribution board is not connected directly to the origin of the installation**

Supply to distribution board is from: Sub Mains(DB Busbar 1, 4/L1)
Overcurrent protective device for the distribution circuit: BS(EN) 88-2 HRC Type gG Rating 63 A Voltage V

**Characteristics at this distribution board**

Associated RCD(if any): BS (EN) N/A
$Z_d$ 0.15 Ω No. of poles N/A
$I_{pf}$ 1.52 kA IΔn N/A
Time delay (if applicable) N/A
Above 30mA Operating at 1 IΔn N/A ms
30mA or below Operating at 5 IΔn N/A ms
(if applicable)

**Test instrument serial number(s)**

Loop impedance 102118371
Insulation resistance 102118371
Continuity 102118371
RCD 102118371

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Type No. | Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω: Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/L1 | Common Room Lights | A | E | 9 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.23 | N/A | 250 | LIM | >299 | ✓ | 0.40 | 29.8 | 28.6 | ✓ | N/A |
| 2/L1 | Lighting Rooms 9,10 | A | E | 12 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.60 | N/A | 250 | LIM | >299 | ✓ | 0.76 | 28.7 | 29.7 | ✓ | N/A |
| 3/L1 | Lighting Rooms 7,8 | A | E | 12 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.53 | N/A | 250 | LIM | >299 | ✓ | 0.70 | 28.7 | 28.7 | ✓ | N/A |
| 4/L1 | Lighting Rooms 1,3,5 | A | E | 18 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.39 | N/A | 250 | LIM | >299 | ✓ | 0.55 | 29.6 | 29.7 | ✓ | N/A |
| 5/L1 | Lighting Rooms 2,4,6 | A | E | 18 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.33 | N/A | 250 | LIM | >299 | ✓ | 0.51 | 28.6 | 28.6 | ✓ | N/A |
| 6/L1 | Ring Main Rooms 2,4,6 | A | E | 21 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.35 | 0.35 | 0.51 | ✓ | 0.21 | N/A | 250 | LIM | >299 | ✓ | 0.49 | 29.7 | 29.6 | ✓ | N/A |
| 7/L1 | Ring Main Rooms 1,3,5 | A | E | 14 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.32 | 0.31 | 0.42 | ✓ | 0.18 | N/A | 250 | LIM | >299 | ✓ | 0.38 | 29.7 | 28.6 | ✓ | N/A |
| 8/L1 | Ring Main Rooms 7,8 | A | E | 14 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.21 | 0.22 | 0.30 | ✓ | 0.12 | N/A | 250 | LIM | >299 | ✓ | 0.50 | 29.7 | 28.6 | ✓ | N/A |
| 9/L1 | Ring Main Rooms 9,10 | A | E | 21 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.27 | 0.27 | 0.44 | ✓ | 0.17 | N/A | 250 | LIM | >299 | ✓ | 0.53 | 28.7 | 28.7 | ✓ | N/A |
| 10/L1 | Ring Main Common Room | A | E | 10 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.23 | 0.22 | 0.29 | ✓ | 0.12 | N/A | 250 | LIM | >299 | ✓ | 0.40 | 28.7 | 29.7 | ✓ | N/A |
| 11/L1 | Ring Main Common Room | A | E | 7 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.27 | 0.28 | 0.43 | ✓ | 0.17 | N/A | 250 | LIM | >299 | ✓ | 0.38 | 29.7 | 28.7 | ✓ | N/A |
| 12/L1 | Hob | A | E | 1 | 6 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | N/A | N/A | N/A | N/A | 0.14 | N/A | 250 | LIM | >299 | ✓ | 0.31 | 29.7 | 29.7 | ✓ | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing: 06/07/2022 To 06/07/2022

Date(s) live testing: 06/07/2022 To 06/07/2022

Signature

Tested by: Name (capital letters): TRE LEVER Position: Electrical Test Engineer Date: 06/07/2022

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

FT/EICR 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation: DB CL1 / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²): L / N | Circuit conductors csa (mm²): CPC | Maximum disconnection | Overcurrent protective devices: BS EN Number | Overcurrent protective devices: Type No. | Overcurrent protective devices: Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω: Ring final circuits only (measured end-to-end): r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both: R1 + R2 | R2 | Insulation resistance (Record lower reading): Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing: Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation: RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13/L1 | Hob | A | E | 1 | 6 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | N/A | N/A | N/A | N/A | 0.13 | N/A | 250 | LIM | >299 | ✓ | 0.30 | 28.7 | 28.7 | ✓ | N/A |
| 14/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 15/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 17/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 06/07/2022 To 06/07/2022

Date(s) live testing 06/07/2022 To 06/07/2022

Tested by: Name (capital letters) TRE LEVER

Position Electrical Test Engineer

Date 06/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| CIRCUIT DETAILS | | | | | | | | | | | | | | TEST RESULTS | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Overcurrent protective devices Type No. | Overcurrent protective devices Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
| | DB CL1 / | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 06/07/2022 To 06/07/2022

Date(s) live testing 06/07/2022 To 06/07/2022

Tested by: Name (capital letters) TRE LEVER

Position Electrical Test Engineer

Date 06/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

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# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Company Name** | PHS Compliance | **Company Address** | Kid Glove Road | **Postcode** | WA3 3GR | **Branch No.** | **Scheme No.** |
| **Client** | UPP Residential Services Ltd | **Installation Address** | Swansea University Bay Campus - Nanhyfer 12, Reception - Ground Floor Tower Information Centre, Fabian Way, Crymlyn Burrows, Swansea | **Postcode** | SA1 8EN | | |

**Distribution board details - Complete in every case**

Location: Level 4 Kitchen RHS (Schneider)
Designation: DB/CL7
Num. of ways: 18 Num. of phases: 1
Supply polarity confirmed: ☑ Phase sequence confirmed: ☐

**Complete only if the distribution board is not connected directly to the origin of the installation**

Supply to distribution board is from: Sub Mains(DB Busbar 1, 8/L1)
Overcurrent protective device for the distribution circuit: BS(EN) 88-2 HRC Type gG Rating 63 A Voltage 230 V

**Characteristics at this distribution board**

Associated RCD(if any): BS (EN) N/A
$Z_d$ 0.16 Ω No. of poles N/A
$I_{pf}$ 1.47 kA IΔn N/A
Time delay (if applicable) NA
Above 30mA Operating at 1 IΔn N/A ms
30mA or below Operating at 5 IΔn N/A ms
(if applicable)

**Test instrument serial number(s)**

Loop impedance 102118371
Insulation resistance 102118173
Continuity 102118371
RCD 102118371

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Type No. | Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω: Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/L1 | Common Room Lights | A | E | 9 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.24 | N/A | 250 | LIM | >299 | ✓ | 0.44 | 28.7 | 29.7 | ✓ | N/A |
| 2/L1 | Lights Rooms 9,10 | A | E | 12 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.41 | N/A | 250 | LIM | >299 | ✓ | 0.60 | 28.7 | 28.7 | ✓ | N/A |
| 3/L1 | Lights Rooms 7,8 | A | E | 12 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.38 | N/A | 250 | LIM | >299 | ✓ | 0.57 | 29.7 | 28.6 | ✓ | N/A |
| 4/L1 | Lights Rooms 1,3,5 | A | E | 18 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.26 | N/A | 250 | LIM | >299 | ✓ | 0.44 | 28.6 | 29.7 | ✓ | N/A |
| 5/L1 | Lights Rooms 2,4,6 | A | E | 18 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | N/A | N/A | N/A | N/A | 0.32 | N/A | 250 | LIM | >299 | ✓ | 0.51 | 28.7 | 28.6 | ✓ | N/A |
| 6/L1 | Ring Main Rooms 2,4,6 | A | E | 21 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.32 | 0.33 | 0.41 | ✓ | 0.18 | N/A | 250 | LIM | >299 | ✓ | 0.49 | 29.7 | 28.7 | ✓ | N/A |
| 7/L1 | Ring Main Rooms 1,3,5 | A | E | 14 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.34 | 0.34 | 0.43 | ✓ | 0.19 | N/A | 250 | LIM | >299 | ✓ | 0.47 | 29.7 | 28.7 | ✓ | N/A |
| 8/L1 | Ring Main Rooms 7,8 | A | E | 14 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.29 | 0.28 | 0.35 | ✓ | 0.16 | N/A | 250 | LIM | >299 | ✓ | 0.50 | 29.6 | 28.7 | ✓ | N/A |
| 9/L1 | Ring Main Rooms 9,10 | A | E | 21 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.31 | 0.30 | 0.41 | ✓ | 0.17 | N/A | 250 | LIM | >299 | ✓ | 0.52 | 28.6 | 28.7 | ✓ | N/A |
| 10/L1 | Ring Main Common Room | A | E | 10 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.26 | 0.25 | 0.33 | ✓ | 0.14 | N/A | 250 | LIM | >299 | ✓ | 0.28 | 29.7 | 28.7 | ✓ | N/A |
| 11/L1 | Ring Main Common Room | A | E | 7 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.24 | 0.25 | 0.31 | ✓ | 0.13 | N/A | 250 | LIM | >299 | ✓ | 0.28 | 28.6 | 29.7 | ✓ | N/A |
| 12/L1 | Hob 1 | A | E | 1 | 6 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | N/A | N/A | N/A | N/A | 0.03 | N/A | 250 | LIM | >299 | ✓ | 0.23 | 28.7 | 28.7 | ✓ | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 08/07/2022 To 08/07/2022

Date(s) live testing 08/07/2022 To 08/07/2022

Signature

Tested by: Name (capital letters) TRE LEVER Position Electrical Test Engineer Date 08/07/2022

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

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# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

FT/EICR 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| CIRCUIT DETAILS | | | | | | | | | | | | | | TEST RESULTS | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Overcurrent protective devices Type No. | Overcurrent protective devices Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
| 13/L1 | Hob 2 | A | E | 1 | 6 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | N/A | N/A | N/A | N/A | 0.04 | N/A | 250 | LIM | >299 | ✓ | 0.22 | 38.7 | 33.7 | ✓ | N/A |
| 14/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 15/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 17/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 08/07/2022 To 08/07/2022

Date(s) live testing 08/07/2022 To 08/07/2022

Tested by: Name (capital letters) TRE LEVER

Position Electrical Test Engineer

Date 08/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices: BS EN Number | Overcurrent protective devices: Type No. | Overcurrent protective devices: Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω: Ring final circuits only (measured end-to-end) r1 | rn | r2 | Circuit impedance Ω: Fig 8 check (✓) | Circuit impedance Ω: All circuits to be completed using R1R2 or R2, not both: R1 + R2 | R2 | Insulation resistance (Record lower reading): Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing: Above 30mA IΔn ms | RCD testing: 30mA or below 5 IΔn ms | Manual test button operation: RCD (✓) | Manual test button operation: AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DB/CL7 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 08/07/2022 To 08/07/2022

Date(s) live testing 08/07/2022 To 08/07/2022

Tested by: Name (capital letters) TRE LEVER

Position Electrical Test Engineer

Date 08/07/2022

Signature

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# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Company Name** | PHS Compliance | **Company Address** | Kid Glove Road | **Postcode** | WA3 3GR | **Branch No.** | **Scheme No.** |
| **Client** | UPP Residential Services Ltd | **Installation Address** | Swansea University Bay Campus - Nanhyfer 12, Reception - Ground Floor Tower Information Centre, Fabian Way, Crymlyn Burrows, Swansea | | | **Postcode** | SA1 8EN |

**Distribution board details - Complete in every case**

Location: Level 4 Kitchen LHS (Schneider)
Designation: DB/CL9
Num. of ways: 18 Num. of phases: 1
Supply polarity confirmed: ☑ Phase sequence confirmed: ☐

**Complete only if the distribution board is not connected directly to the origin of the installation**

Supply to distribution board is from: Sub Mains(DB Busbar 2, 14/L1)
Overcurrent protective device for the distribution circuit: BS(EN) 88-2 HRC Type gG Rating 63 A Voltage 230 V

**Characteristics at this distribution board**

Associated RCD(if any): BS (EN) N/A
$Z_d$ 0.16 Ω No. of poles NA
$I_{pf}$ 1.44 kA IΔn N/A
Time delay (if applicable) NA
Above 30mA Operating at 1 IΔn N/A ms
30mA or below Operating at 5 IΔn N/A ms
(if applicable)

**Test instrument serial number(s)**

Loop impedance 102118371
Insulation resistance 102118371
Continuity 102118371
RCD 102118371

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Type No. | Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω: Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both: R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing: Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation: RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/L1 | Common Room Lights | A | E | 9 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.28 | N/A | 250 | LIM | >299 | ✓ | 0.46 | 28.7 | 28.7 | ✓ | N/A |
| 2/L1 | Lights Rooms 1,3,5 | A | E | 18 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.31 | N/A | 250 | LIM | >299 | ✓ | 0.49 | 28.7 | 29.7 | ✓ | N/A |
| 3/L1 | Lights Rooms 2,4,6 | A | E | 12 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.33 | N/A | 250 | LIM | >299 | ✓ | 0.52 | 28.6 | 28.7 | ✓ | N/A |
| 4/L1 | Lights Rooms 7,8 | A | E | 12 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.42 | N/A | 250 | LIM | >299 | ✓ | 0.60 | 28.7 | 29.7 | ✓ | N/A |
| 5/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 6/L1 | Ring Main Rooms 1,3,5 | A | E | 21 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.37 | 0.35 | 0.51 | ✓ | 0.22 | N/A | 250 | LIM | >299 | ✓ | 0.44 | 28.7 | 28.7 | ✓ | N/A |
| 7/L1 | Ring Main Rooms 2,4,6 | A | E | 21 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.35 | 0.36 | 0.49 | ✓ | 0.21 | N/A | 250 | LIM | >299 | ✓ | 0.48 | 38.7 | 28.7 | ✓ | N/A |
| 8/L1 | Ring Main Rooms 7,8 | A | E | 18 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.33 | 0.34 | 0.46 | ✓ | 0.19 | N/A | 250 | LIM | >299 | ✓ | 0.50 | 28.6 | 29.7 | ✓ | N/A |
| 9/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 10/L1 | Ring Main Common Room 1 | A | E | 6 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.30 | 0.31 | 0.42 | ✓ | 0.18 | N/A | 250 | LIM | >299 | ✓ | 0.43 | 28.7 | 28.7 | ✓ | N/A |
| 11/L1 | Ring Main Common Room 2 | A | E | 9 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.28 | 0.29 | 0.37 | ✓ | 0.16 | N/A | 250 | LIM | >299 | ✓ | 0.34 | 29.6 | 28.7 | ✓ | N/A |
| 12/L1 | Hob 1 | A | E | 1 | 6 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | N/A | N/A | N/A | N/A | 0.04 | N/A | 250 | LIM | >299 | ✓ | 0.23 | 28.7 | 28.5 | ✓ | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 08/07/2022 To 08/07/2022

Date(s) live testing 08/07/2022 To 08/07/2022

Tested by: Name (capital letters) TRE LEVER Position Electrical Test Engineer Date 08/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

FT/EICR 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| CIRCUIT DETAILS | | | | | | | | | | | | | | TEST RESULTS | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) | | Maximum disconnection | Overcurrent protective devices | | | Breaking capacity | RCD operating | BS 7671 Max. permitted Zs Other | Circuit impedance Ω | | | | | | Insulation resistance (Record lower reading) | | | Polarity | Max. Measured Zs | RCD testing | | Manual test button operation | |
| | DB/CL9 | | | | | | | | | | | | | Ring final circuits only (measured end-to-end) | | | Fig 8 check | All circuits to be completed using R1R2 or R2, not both | | Test voltage | L/L, L/N | L/E, N/E | | | Above 30mA IΔn | 30mA or below 5 IΔn | RCD | AFDD |
| | | | | | L / N | CPC | | BS EN Number | Type No. | Rating (A) | (KA) | (mA) | 80% (Ω) | r1 | rn | r2 | (✓) | R1 + R2 | R2 | V | M(Ω) | M(Ω) | (✓) | (Ω) | ms | ms | (✓) | (✓) |
| 13/L1 | Hob 2 | A | E | 1 | 6 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | N/A | N/A | N/A | N/A | 0.04 | N/A | 250 | LIM | >299 | ✓ | 0.22 | 28.7 | 28.7 | ✓ | N/A |
| 14/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 15/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 17/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 08/07/2022 To 08/07/2022

Date(s) live testing 08/07/2022 To 08/07/2022

Tested by: Name (capital letters) TRE LEVER

Position Electrical Test Engineer

Date 08/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| CIRCUIT DETAILS | | | | | | | | | | | | | | TEST RESULTS | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Overcurrent protective devices Type No. | Overcurrent protective devices Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
| | DB/CL9 / | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 08/07/2022 To 08/07/2022

Date(s) live testing 08/07/2022 To 08/07/2022

Tested by: Name (capital letters) TRE LEVER

Position Electrical Test Engineer

Date 08/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

FT/EICR 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Company Name** | PHS Compliance | **Company Address** | Kid Glove Road | **Postcode** | WA3 3GR | **Branch No.** | **Scheme No.** |
| **Client** | UPP Residential Services Ltd | **Installation Address** | Swansea University Bay Campus - Nanhyfer 12, Reception - Ground Floor Tower Information Centre, Fabian Way, Crymlyn Burrows, Swansea | | | **Postcode** | SA1 8EN |

**Distribution board details - Complete in every case**

Location: Service Riser Level 1-4 (Schneider)
Designation: DB Busbar 2
Num. of ways: 16 Num. of phases: 3
Supply polarity confirmed: ✓ Phase sequence confirmed: ✓

**Complete only if the distribution board is not connected directly to the origin of the installation**

Supply to distribution board is from: Sub Mains(DB/M, 7/TP)
Overcurrent protective device for the distribution circuit: BS(EN) 60947 MCCB Type Rating 160 A Voltage 400 V

**Characteristics at this distribution board**

Associated RCD(if any): BS (EN) N/A
$Z_d$ 0.14 Ω No. of poles N/A
$I_{pf}$ 2.80 kA IΔn N/A
Time delay (if applicable) NA
Above 30mA Operating at 1 IΔn N/A ms
30mA or below Operating at 5 IΔn N/A ms
(if applicable)

**Test instrument serial number(s)**

Loop impedance 102118371
Insulation resistance 102118371
Continuity 102118371
RCD 102118371

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Type No. | Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 3/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 4/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 6/L1 | Sub Mains(DB/CL3) | A | B | 1 | 16 | 16 | 5 | 88-2 HRC | gG | 63 | 80 | N/A | 0.62 | N/A | N/A | N/A | N/A | 0.01 | N/A | 250 | LIM | >299 | ✓ | 0.16 | N/A | N/A | N/A | N/A |
| 6/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 6/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 7/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 8/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 10/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 10/L2 | Sub Mains(DB/CL5 ) | A | B | 1 | 16 | 16 | 5 | 88-2 HRC | gG | 63 | 80 | N/A | 0.62 | N/A | N/A | N/A | N/A | 0.02 | N/A | 250 | LIM | >299 | ✓ | 0.16 | N/A | N/A | N/A | N/A |
| 10/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 07/07/2022 To 07/07/2022

Date(s) live testing 07/07/2022 To 07/07/2022

Signature

Tested by: Name (capital letters) TRE LEVER Position Electrical Test Engineer Date 07/07/2022

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

FT/EICR 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation: DB Busbar 2 / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²): L / N | Circuit conductors csa (mm²): CPC | Maximum disconnection | Overcurrent protective devices: BS EN Number | Overcurrent protective devices: Type No. | Overcurrent protective devices: Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω: Ring final circuits only (measured end-to-end): r1 | r2 | rn | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both: R1 + R2 | R2 | Insulation resistance (Record lower reading): Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing: Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation: RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11/L3 | Sub Mains(DB/CL6 ) | A | B | 1 | 16 | 16 | 5 | 88-2 HRC | gG | 63 | 80 | N/A | 0.62 | N/A | N/A | N/A | N/A | 0.02 | N/A | 250 | LIM | >299 | ✓ | 0.17 | N/A | N/A | N/A | N/A |
| 12/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 13/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 14/L1 | Sub Mains(DB/CL9) | A | B | 1 | 16 | 16 | 5 | 88-2 HRC | gG | 63 | 80 | N/A | 0.62 | N/A | N/A | N/A | N/A | 0.01 | N/A | 250 | LIM | >299 | ✓ | 0.16 | N/A | N/A | N/A | N/A |
| 14/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 14/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 15/TP | Lift | A | B | 1 | 16 | 16 | 5 | 88-2 HRC | gG | 32 | 80 | N/A | 1.36 | N/A | N/A | N/A | N/A | 0.14 | N/A | 250 | LIM | >299 | ✓ | 0.30 | N/A | N/A | N/A | N/A |
| 16/TP | Sub Mains(DB/PL) | A | B | 1 | 16 | 16 | 5 | 88-2 HRC | gG | 63 | 80 | N/A | 0.62 | N/A | N/A | N/A | N/A | 0.02 | N/A | 250 | LIM | >299 | ✓ | 0.17 | N/A | N/A | N/A | N/A |
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Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 07/07/2022 To 07/07/2022

Date(s) live testing 07/07/2022 To 07/07/2022

Tested by: Name (capital letters) TRE LEVER

Position Electrical Test Engineer

Date 07/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| CIRCUIT DETAILS | | | | | | | | | | | | | | TEST RESULTS | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Overcurrent protective devices Type No. | Overcurrent protective devices Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 07/07/2022 To 07/07/2022

Date(s) live testing 07/07/2022 To 07/07/2022

Tested by: Name (capital letters) TRE LEVER

Position Electrical Test Engineer

Date 07/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Company Name** | PHS Compliance | **Company Address** | Kid Glove Road | **Postcode** | WA3 3GR | **Branch No.** | **Scheme No.** |
| **Client** | UPP Residential Services Ltd | **Installation Address** | Swansea University Bay Campus - Nanhyfer 12, Reception - Ground Floor Tower Information Centre, Fabian Way, Crymlyn Burrows, Swansea | | | **Postcode** | SA1 8EN |

**Distribution board details - Complete in every case**

Location: Plant Room Ground Floor (Schneider)
Designation: DB/LL1/L
Num. of ways: 12 Num. of phases: 3
Supply polarity confirmed: ✓ Phase sequence confirmed: ✓

**Complete only if the distribution board is not connected directly to the origin of the installation**

Supply to distribution board is from: Sub Mains(DB/M, 3/TP)
Overcurrent protective device for the distribution circuit: BS(EN) 60947 MCCB Type: Rating: 100 A Voltage: 400 V

**Characteristics at this distribution board**

Associated RCD(if any): BS (EN): N/A
$Z_d$ 0.15 Ω No. of poles: N/A
$I_{pf}$ 3.04 kA IΔn: N/A
Time delay (if applicable): NA
Operating at 1 IΔn: N/A ms
Operating at 5 IΔn: N/A ms
Above 30mA / 30mA or below (if applicable)

**Test instrument serial number(s)**

Loop impedance: 102118371
Insulation resistance: 102118371
Continuity: 102118371
RCD: 102118371

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation: DB/LL1/L<br>Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Type No. | Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω: Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both: R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing: Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation: RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 2/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 3/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 4/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 6/L1 | Sem Room 7 Lights | A | E | 12 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.18 | N/A | 250 | LIM | >299 | ✓ | 0.37 | 28.4 | 18.8 | ✓ | N/A |
| 6/L2 | Sem Room 6 Lights | A | E | 8 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.15 | N/A | 250 | LIM | >299 | ✓ | 0.42 | 32.2 | 22.0 | ✓ | N/A |
| 6/L3 | Sem Room 5 Lights | A | E | 10 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.20 | N/A | 250 | LIM | >299 | ✓ | 0.39 | 30.4 | 22.0 | ✓ | N/A |
| 7/L1 | IT & Mains Room Lights | A | E | 4 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.24 | N/A | 250 | LIM | >299 | ✓ | 0.44 | 40.2 | 18.8 | ✓ | N/A |
| 7/L2 | PC Lab Room 4 Lights | A | E | 10 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.21 | N/A | 250 | LIM | >299 | ✓ | 0.41 | 25.4 | 20.4 | ✓ | N/A |
| 7/L3 | Lobby & WC Lights | A | E | 27 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.10 | N/A | 250 | LIM | >299 | ✓ | 0.35 | 28.2 | 20.4 | ✓ | N/A |
| 8/L1 | Sem Room 2 Lights | A | E | 8 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.22 | N/A | 250 | LIM | >299 | ✓ | 0.44 | 37.0 | 18.8 | ✓ | N/A |
| 8/L2 | Sem Room 1 Lights | A | E | 12 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.19 | N/A | 250 | LIM | >299 | ✓ | 0.37 | 29.4 | 22.0 | ✓ | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing: 06/07/2022 To: 06/07/2022
Date(s) live testing: 06/07/2022 To: 06/07/2022

Tested by: Name (capital letters): TRE LEVER Position: Electrical Test Engineer Date: 06/07/2022
Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

FT/EICR 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation: DB/LL1/L<br>Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²): L / N | Circuit conductors csa (mm²): CPC | Maximum disconnection | Overcurrent protective devices: BS EN Number | Overcurrent protective devices: Type No. | Overcurrent protective devices: Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω: Ring final circuits only (measured end-to-end): r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both: R1 + R2 | R2 | Insulation resistance (Record lower reading): Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing: Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation: RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/L3 | Sem Room 3 Lights | A | E | 8 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.20 | N/A | 250 | LIM | >299 | ✓ | 0.35 | 19.8 | 18.8 | ✓ | N/A |
| 9/L1 | Corridor Lights | A | E | 20 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.17 | N/A | 250 | LIM | >299 | ✓ | 0.29 | 22.4 | 20.4 | ✓ | N/A |
| 9/L2 | Corridor Lights | A | E | 18 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.15 | N/A | 250 | LIM | >299 | ✓ | 0.30 | 25.3 | 18.4 | ✓ | N/A |
| 9/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 10/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 12/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 12/L2 | Gound Lobby Lights | A | E | 8 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.20 | N/A | 250 | LIM | >299 | ✓ | 0.39 | 29.4 | 18.4 | ✓ | N/A |
| 12/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 06/07/2022 To 06/07/2022

Date(s) live testing 06/07/2022 To 06/07/2022

Tested by: Name (capital letters) TRE LEVER

Position Electrical Test Engineer

Date 06/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

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# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| CIRCUIT DETAILS | | | | | | | | | | | | | | TEST RESULTS | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Overcurrent protective devices Type No. | Overcurrent protective devices Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
| | DB/LL1/L | | | | | | | | | | | | 80% (Ω) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 06/07/2022 To 06/07/2022

Date(s) live testing 06/07/2022 To 06/07/2022

Tested by: Name (capital letters) TRE LEVER

Position Electrical Test Engineer

Date 06/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Company Name** | PHS Compliance | **Company Address** | Kid Glove Road | **Postcode** | WA3 3GR | **Branch No.** | **Scheme No.** |
| **Client** | UPP Residential Services Ltd | **Installation Address** | Swansea University Bay Campus - Nanhyfer 12, Reception - Ground Floor Tower Information Centre, Fabian Way, Crymlyn Burrows, Swansea | | | **Postcode** | SA1 8EN |

**Distribution board details - Complete in every case**

Location: Level 3 Kitchen LHS (Schneider)
Designation: DB/CL5
Num. of ways: 18 Num. of phases: 1
Supply polarity confirmed: ☑ Phase sequence confirmed: ☐

**Complete only if the distribution board is not connected directly to the origin of the installation**

Supply to distribution board is from: Sub Mains(DB Busbar 2, 10/L2)
Overcurrent protective device for the distribution circuit: BS(EN) 88-2 HRC Type gG Rating 63 A Voltage 230 V

**Characteristics at this distribution board**

Associated RCD(if any): BS (EN) N/A
$Z_d$ 0.16 Ω No. of poles N/A
$I_{pf}$ 1.44 kA IΔn N/A
Time delay (if applicable) NA
Above 30mA Operating at 1 IΔn N/A ms
30mA or below Operating at 5 IΔn N/A ms
(if applicable)

**Test instrument serial number(s)**

Loop impedance 102118371
Insulation resistance 102118371
Continuity 102118371
RCD 102118371

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Circuit designation (Distribution board Designation: DB/CL5) | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Type No. | Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω: Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both: R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing: Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation: RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/L2 | Common Room Lights | A | E | 9 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.20 | N/A | 250 | LIM | >299 | ✓ | 0.39 | 28.7 | 28.6 | ✓ | N/A |
| 2/L2 | Lights Rooms 3,4,5 | A | E | 18 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.33 | N/A | 250 | LIM | >299 | ✓ | 0.50 | 28.7 | 28.7 | ✓ | N/A |
| 3/L2 | Lights Rooms 1,2 | A | E | 12 | 1.5 | 1 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.27 | N/A | 250 | LIM | >299 | ✓ | 0.44 | 29.7 | 28.6 | ✓ | N/A |
| 4/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 6/L2 | Ring Main Rooms 1,2 | A | E | 18 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.33 | 0.34 | 0.43 | ✓ | 0.19 | N/A | 250 | LIM | >299 | ✓ | 0.40 | 28.7 | 29.7 | ✓ | N/A |
| 7/L2 | Ring Main Rooms 3,4,5 | A | E | 21 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.36 | 0.36 | 0.49 | ✓ | 0.21 | N/A | 250 | LIM | >299 | ✓ | 0.49 | 28.6 | 28.7 | ✓ | N/A |
| 8/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 10/L2 | Ring Main Common Room 1 | A | E | 6 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.42 | 0.41 | 0.59 | ✓ | 0.25 | N/A | 250 | LIM | >299 | ✓ | 0.48 | 38.7 | 28.5 | ✓ | N/A |
| 11/L2 | Ring Main Common Room 2 | A | E | 9 | 2x2.5 | 2x1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.30 | 0.30 | 0.43 | ✓ | 0.18 | N/A | 250 | LIM | >299 | ✓ | 0.38 | 28.7 | 28.7 | ✓ | N/A |
| 12/L2 | Hob | A | E | 1 | 6 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | N/A | N/A | N/A | N/A | 0.07 | N/A | 250 | LIM | >299 | ✓ | 0.25 | 29.7 | 28.7 | ✓ | N/A |
| 13/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing: 07/07/2022 To: 07/07/2022
Date(s) live testing: 07/07/2022 To: 07/07/2022

Tested by: Name (capital letters): TRE LEVER Position: Electrical Test Engineer Date: 07/07/2022
Signature:

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Overcurrent protective devices Type No. | Overcurrent protective devices Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | r2 | rn | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 15/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 17/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 07/07/2022 To 07/07/2022

Date(s) live testing 07/07/2022 To 07/07/2022

Tested by: Name (capital letters) TRE LEVER Position Electrical Test Engineer Date 07/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

FT/EICR 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| CIRCUIT DETAILS | | | | | | | | | | | | | | TEST RESULTS | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Overcurrent protective devices Type No. | Overcurrent protective devices Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 07/07/2022 To 07/07/2022

Date(s) live testing 07/07/2022 To 07/07/2022

Tested by: Name (capital letters) TRE LEVER

Position Electrical Test Engineer

Date 07/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Company Name** | PHS Compliance | **Company Address** | Kid Glove Road | **Postcode** | WA3 3GR | **Branch No.** | **Scheme No.** |
| **Client** | UPP Residential Services Ltd | **Installation Address** | Swansea University Bay Campus - Nanhyfer 12, Reception - Ground Floor Tower Information Centre, Fabian Way, Crymlyn Burrows, Swansea | **Postcode** | SA1 8EN | | |

**Distribution board details - Complete in every case**

Location: Mains room [Schneider]
Designation: DB EXT 1
Num. of ways: 10 Num. of phases: 1
Supply polarity confirmed ☐ Phase sequence confirmed ☐

**Complete only if the distribution board is not connected directly to the origin of the installation**

Supply to distribution board is from: Sub Mains(DB/M, 10/L1)
Overcurrent protective device for the distribution circuit: BS(EN) 60947 MCCB Type Rating 40 A Voltage V

**Characteristics at this distribution board**

Associated RCD(if any): BS (EN) N/A
$Z_d$ 0.14 Ω No. of poles N/A
$I_{pf}$ 2.6 kA IΔn N/A
Time delay (if applicable) N/A
Operating at 1 IΔn N/A ms
Operating at 5 IΔn N/A ms
Above 30mA 30mA or below (if applicable)

**Test instrument serial number(s)**

Loop impedance 080408/5756
Insulation resistance 080408/5756
Continuity 080408/5756
RCD 080408/5756

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Type No. | Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/L1 | CCTV | G | D | 3 | 4 | 4 | 0.4 | 60898 MCB | B | 10 | 10 | N/A | 1.75 | N/A | N/A | N/A | N/A | LIM | N/A | 250 | LIM | >299 | LIM | LIM | N/A | N/A | N/A | N/A |
| 2/L1 | EXT Lighting 1 | G | D | 4 | 6 | 6 | 0.4 | 60898 MCB | C | 10 | 10 | N/A | 1.75 | N/A | N/A | N/A | N/A | LIM | N/A | 250 | LIM | >299 | LIM | LIM | N/A | N/A | N/A | N/A |
| 3/L1 | EXT Lighting 2 | G | D | 6 | 6 | 6 | 0.4 | 60898 MCB | C | 10 | 10 | N/A | 1.75 | N/A | N/A | N/A | N/A | LIM | N/A | 250 | LIM | >299 | LIM | LIM | N/A | N/A | N/A | N/A |
| 4/L1 | Isolated | G | D | LIM | 6 | 6 | 0.4 | 60898 MCB | C | 10 | 10 | N/A | 1.75 | N/A | N/A | N/A | N/A | LIM | N/A | 250 | LIM | >299 | LIM | LIM | N/A | N/A | N/A | N/A |
| 5/L1 | EXT Lighting 4 | G | D | 4 | 6 | 6 | 0.4 | 60898 MCB | C | 10 | 10 | N/A | 1.75 | N/A | N/A | N/A | N/A | LIM | N/A | 250 | LIM | >299 | LIM | LIM | N/A | N/A | N/A | N/A |
| 6/L1 | Isolated | G | D | LIM | 6 | 6 | 0.4 | 60898 MCB | C | 10 | 10 | N/A | 1.75 | N/A | N/A | N/A | N/A | LIM | N/A | 250 | LIM | >299 | LIM | LIM | N/A | N/A | N/A | N/A |
| 7/L1 | SPD | D | B | 1 | 16 | 16 | 0.4 | 60898 MCB | C | 63 | 10 | N/A | 0.28 | N/A | N/A | N/A | N/A | 0.02 | N/A | 250 | LIM | >299 | ✓ | 0.15 | N/A | N/A | N/A | N/A |
| 8/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 10/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 06/07/2022 To 06/07/2022

Date(s) live testing 06/07/2022 To 06/07/2022

Signature

Tested by: Name (capital letters) TRE LEVER Position Electrical Test Engineer Date 06/07/2022

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

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# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| CIRCUIT DETAILS | | | | | | | | | | | | | | TEST RESULTS | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Overcurrent protective devices Type No. | Overcurrent protective devices Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
| | DB EXT 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 06/07/2022 To 06/07/2022

Date(s) live testing 06/07/2022 To 06/07/2022

Tested by: Name (capital letters) TRE LEVER

Position Electrical Test Engineer

Date 06/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

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# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Company Name** | PHS Compliance | **Company Address** | Kid Glove Road | **Postcode** | WA3 3GR | **Branch No.** | **Scheme No.** |
| **Client** | UPP Residential Services Ltd | **Installation Address** | Swansea University Bay Campus - Nanhyfer 12, Reception - Ground Floor Tower Information Centre, Fabian Way, Crymlyn Burrows, Swansea | **Postcode** | SA1 8EN | | |

**Distribution board details - Complete in every case**

Location: Ground Floor Plant Room (Schneider)
Designation: DB/LL1/P
Num. of ways: 12 Num. of phases: 3
Supply polarity confirmed: ✓ Phase sequence confirmed: ✓

**Complete only if the distribution board is not connected directly to the origin of the installation**

Supply to distribution board is from: Sub Mains(DB/M, 3/TP)
Overcurrent protective device for the distribution circuit: BS(EN) 60947 MCCB Type: Rating: 100 A Voltage: 400 V

**Characteristics at this distribution board**

Associated RCD(if any): BS (EN): N/A
$Z_d$: 0.15 Ω No. of poles: N/A
$I_{pf}$: 3.02 kA IΔn: N/A
Time delay (if applicable): NA
Operating at 1 IΔn: N/A ms
Operating at 5 IΔn: N/A ms
Above 30mA / 30mA or below (if applicable)

**Test instrument serial number(s)**

Loop impedance: 102118371
Insulation resistance: 102118371
Continuity: 102118371
RCD: 102118371

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Type No. | Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/L1 | Sem Room 7 | A | E | 7 | 6 | 6 | 5 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | LIM | LIM | LIM | LIM | LIM | N/A | LIM | LIM | LIM | LIM | LIM | LIM | LIM | LIM | N/A |
| 1/L2 | Sem Room 6 | A | E | 6 | 2X2.5 | 2X1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.70 | 0.72 | 1.21 | ✓ | 0.48 | N/A | 250 | LIM | >299 | ✓ | 0.46 | 28.5 | 18.4 | ✓ | N/A |
| 1/L3 | Sem Room 5 | A | E | 6 | 2X2.5 | 2X1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.61 | 0.60 | 0.98 | ✓ | 0.40 | N/A | 250 | LIM | >299 | ✓ | 0.71 | 32.5 | 20.4 | ✓ | N/A |
| 2/L1 | Sem Room 4 | A | E | 5 | 2X2.5 | 2X1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.42 | 0.40 | 0.72 | ✓ | 1.12 | N/A | 250 | LIM | >299 | LIM | LIM | 33.0 | 22.0 | ✓ | N/A |
| 2/L2 | Sem Room 3 | A | E | 6 | 2X2.5 | 2X1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 1.01 | 1.02 | 1.62 | ✓ | 0.66 | N/A | 250 | LIM | >299 | LIM | LIM | 32.5 | 19.2 | ✓ | N/A |
| 2/L3 | Sem Room 2 | A | E | 6 | 2X2.5 | 2X1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 1.02 | 1.01 | 1.64 | ✓ | 0.67 | N/A | 250 | LIM | >299 | LIM | LIM | 28.4 | 18.8 | ✓ | N/A |
| 3/L1 | Sem Room 1 | A | E | 7 | 2X2.5 | 2X1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 1.25 | 1.27 | 1.87 | ✓ | 0.78 | N/A | 250 | LIM | >299 | ✓ | 0.75 | 44.5 | 26.2 | ✓ | N/A |
| 3/L2 | Stairwell Sockets | A | E | 2 | 2X2.5 | 2X1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.39 | 0.38 | 0.55 | ✓ | 0.24 | N/A | 250 | LIM | >299 | ✓ | 0.49 | 20.6 | 12.4 | ✓ | N/A |
| 3/L3 | Corridor Sockets | A | E | 4 | 2X2.5 | 2X1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.91 | 0.92 | 1.47 | ✓ | 0.60 | N/A | 250 | LIM | >299 | ✓ | 0.77 | 26.4 | 14.2 | ✓ | N/A |
| 4/L1 | IT & Mains Room Sockets | A | E | 2 | 2X2.5 | 2X1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | LIM | LIM | LIM | LIM | LIM | N/A | LIM | LIM | LIM | ✓ | 0.38 | LIM | LIM | LIM | N/A |
| 4/L2 | Handryer | A | E | 1 | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | C | 16 | 10 | 30 | 1.09 | N/A | N/A | N/A | N/A | 0.12 | N/A | 250 | LIM | >299 | ✓ | 0.33 | 22.8 | 16.4 | ✓ | N/A |
| 4/L3 | Auto Door | A | E | 1 | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | C | 16 | 10 | 30 | 1.09 | N/A | N/A | N/A | N/A | LIM | N/A | 250 | LIM | >299 | LIM | LIM | 32.4 | 19.2 | ✓ | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing: 06/07/2022 To: 06/07/2022

Date(s) live testing: 06/07/2022 To: 06/07/2022

Signature:

Tested by: Name (capital letters): TRE LEVER Position: Electrical Test Engineer Date: 06/07/2022

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

FT/EICR 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Type No. | Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω: Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both: R1 + R2 | R2 | Insulation resistance (Record lower reading): Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing: Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation: RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/L1 | PC Lab Room 4 | A | E | 3 | 2X2.5 | 2X1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | LIM | LIM | LIM | LIM | LIM | N/A | LIM | LIM | LIM | ✓ | LIM | LIM | LIM | LIM | N/A |
| 5/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 6/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 6/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 6/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 7/L1 | Room 10 Sockets | A | E | LIM | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | B | 20 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | LIM | N/A | LIM | LIM | LIM | LIM | LIM | LIM | LIM | LIM | N/A |
| 7/L2 | Room 10 Sockets | A | E | LIM | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | B | 20 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | LIM | N/A | 250 | LIM | >299 | LIM | LIM | LIM | LIM | LIM | N/A |
| 7/L3 | Room 10 Sockets | A | E | LIM | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | B | 20 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | LIM | N/A | 250 | LIM | >299 | LIM | LIM | LIM | LIM | LIM | N/A |
| 8/L1 | Room 2 Sockets | A | E | N/A | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | B | 20 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | LIM | N/A | 250 | LIM | >299 | LIM | LIM | LIM | LIM | LIM | N/A |
| 8/L2 | Room 2 Sockets | A | E | N/A | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | B | 20 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | LIM | N/A | 250 | LIM | >299 | LIM | LIM | LIM | LIM | LIM | N/A |
| 8/L3 | Room 2 Sockets | A | E | N/A | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | B | 20 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | LIM | N/A | 250 | LIM | >299 | LIM | LIM | LIM | LIM | LIM | N/A |
| 9/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 9/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 10/L1 | IT & Mains Room | A | E | 2 | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | C | 16 | 10 | 30 | 1.09 | N/A | N/A | N/A | N/A | LIM | N/A | 250 | LIM | >299 | ✓ | 0.34 | LIM | LIM | N/A | N/A |
| 10/L2 | IT Cab | A | E | 1 | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | C | 16 | 10 | 30 | 1.09 | N/A | N/A | N/A | N/A | LIM | N/A | LIM | LIM | LIM | LIM | LIM | LIM | LIM | LIM | N/A |
| 10/L3 | Untraced Circuit | A | E | LIM | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | LIM | N/A | 250 | LIM | >299 | LIM | LIM | LIM | LIM | N/A | N/A |
| 11/L1 | PC Lab Room 4 | A | E | LIM | 2.5 | 1.5 | 0.4 | 61009 RCD/RCBO | C | 16 | 10 | 30 | 1.09 | N/A | N/A | N/A | N/A | LIM | N/A | LIM | LIM | LIM | LIM | LIM | LIM | LIM | LIM | N/A |
| 11/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 06/07/2022 To 06/07/2022

Date(s) live testing 06/07/2022 To 06/07/2022

Signature

Tested by: Name (capital letters) TRE LEVER

Position Electrical Test Engineer

Date 06/07/2022

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

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# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

FT/EICR 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| CIRCUIT DETAILS | | | | | | | | | | | | | | TEST RESULTS | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Overcurrent protective devices Type No. | Overcurrent protective devices Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
| 11/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 12/L1 | Untraced Circuit | A | E | LIM | 2X2.5 | 2X1.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | LIM | LIM | LIM | LIM | LIM | N/A | 250 | LIM | >299 | LIM | LIM | LIM | LIM | N/A | N/A |
| 12/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 12/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing — Date(s) dead testing 06/07/2022 To 06/07/2022 — Date(s) live testing 06/07/2022 To 06/07/2022

Tested by: Name (capital letters) TRE LEVER — Position Electrical Test Engineer — Date 06/07/2022 — Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

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# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

FT/EICR 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| CIRCUIT DETAILS | | | | | | | | | | | | | | TEST RESULTS | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Overcurrent protective devices Type No. | Overcurrent protective devices Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
| | DB/LL1/P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 06/07/2022 To 06/07/2022

Date(s) live testing 06/07/2022 To 06/07/2022

Tested by: Name (capital letters) TRE LEVER

Position Electrical Test Engineer

Date 06/07/2022

Signature

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# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Company Name** | PHS Compliance | **Company Address** | Kid Glove Road | **Postcode** | WA3 3GR | **Branch No.** | **Scheme No.** |
| **Client** | UPP Residential Services Ltd | **Installation Address** | Swansea University Bay Campus - Nanhyfer 12, Reception - Ground Floor Tower Information Centre, Fabian Way, Crymlyn Burrows, Swansea | **Postcode** | SA1 8EN | | |

**Distribution board details - Complete in every case**

Location: Level 5 Plant Room (Schneider)
Designation: DB/PL
Num. of ways: 24 Num. of phases: 3
Supply polarity confirmed: ☑ Phase sequence confirmed: ☑

**Complete only if the distribution board is not connected directly to the origin of the installation**

Supply to distribution board is from: Sub Mains(DB Busbar 2, 16/TP)
Overcurrent protective device for the distribution circuit: BS(EN) 88-2 HRC gG Type gG Rating 63 A Voltage 400 V

**Characteristics at this distribution board**

Associated RCD(if any): BS (EN) N/A
$Z_d$ 0.17 Ω No. of poles N/A
$I_{pf}$ 2.76 kA IΔn N/A
Time delay (if applicable) NA
Above 30mA Operating at 1 IΔn NA ms
30mA or below Operating at 5 IΔn NA ms
(if applicable)

**Test instrument serial number(s)**

Loop impedance 102118371
Insulation resistance 102118371
Continuity 102118371
RCD 102118371

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Type No. | Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | rn | r2 | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/L1 | EXT Fan 1 | G | C | 1 | 2.5 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 16 | 10 | 30 | 1.09 | N/A | N/A | N/A | N/A | 0.30 | N/A | 250 | LIM | >299 | ✓ | 0.51 | 39.8 | 25.9 | ✓ | N/A |
| 1/L2 | EXT Fan 2 | G | C | 1 | 2.5 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 16 | 10 | 30 | 1.09 | N/A | N/A | N/A | N/A | 0.31 | N/A | 250 | LIM | >299 | ✓ | 0.50 | 38.9 | 29.8 | ✓ | N/A |
| 1/L3 | EXT Fan 3 | G | C | 1 | 2.5 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 16 | 10 | 30 | 1.09 | N/A | N/A | N/A | N/A | 0.38 | N/A | 250 | LIM | >299 | ✓ | 0.54 | 37.9 | 27.8 | ✓ | N/A |
| 2/L1 | EXT Fan 4 | G | C | 1 | 2.5 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 16 | 10 | 30 | 1.09 | N/A | N/A | N/A | N/A | 0.41 | N/A | 250 | LIM | >299 | ✓ | 0.61 | 39.9 | 28.9 | ✓ | N/A |
| 2/L2 | EXT Fan 5 | G | C | 1 | 2.5 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 16 | 10 | 30 | 1.09 | N/A | N/A | N/A | N/A | 0.35 | N/A | 250 | LIM | >299 | ✓ | 0.55 | 39.8 | 28.9 | ✓ | N/A |
| 2/L3 | EXT Fan 6 | G | C | 1 | 2.5 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 16 | 10 | 30 | 1.09 | N/A | N/A | N/A | N/A | 0.41 | N/A | 250 | LIM | >299 | ✓ | 0.62 | 39.9 | 28.7 | ✓ | N/A |
| 3/L1 | EXT Fan 7 | G | C | 1 | 2.5 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 16 | 10 | 30 | 1.09 | N/A | N/A | N/A | N/A | 0.40 | N/A | 250 | LIM | >299 | ✓ | 0.63 | 37.9 | 33.8 | ✓ | N/A |
| 3/L2 | EXT Fan 8 | G | C | 1 | 2.5 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 16 | 10 | 30 | 1.09 | N/A | N/A | N/A | N/A | 0.38 | N/A | 250 | LIM | >299 | ✓ | 0.54 | 39.7 | 37.8 | ✓ | N/A |
| 3/L3 | EXT Fan 9 | G | C | 1 | 2.5 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 16 | 10 | 30 | 1.09 | N/A | N/A | N/A | N/A | 0.32 | N/A | 250 | LIM | >299 | ✓ | 0.48 | 38.9 | 33.6 | ✓ | N/A |
| 4/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 4/L2 | HRU | A | B | 1 | 2.5 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 16 | 10 | 30 | 1.09 | N/A | N/A | N/A | N/A | 0.27 | N/A | 250 | LIM | >299 | ✓ | 0.46 | 39.8 | 29.8 | ✓ | N/A |
| 4/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 08/07/2022 To 08/07/2022

Date(s) live testing 08/07/2022 To 08/07/2022

Tested by: Name (capital letters) TRE LEVER Position Electrical Test Engineer Date 08/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

A/A1 - Single Core PVC Cables (4D1A), A/A2 - Multicore PVC Cables (4D2A), F/F1 - Single-core armoures PVC SWA Cables (4D3A), F/F2 - PVC SWA Cables (4D4A), A/A3 - PVC Twin & Earth (4D5), O/O1 - LSF single core cables 90°C rated (4E1A), O/O2 - Multi-core LSF cables 90°C rated (4E2A), G/G1 - Single-core armoured XLPE cables or 90°C rated (4E3A), G/G2 - Multi-core armoured XLPE cables or 90°C rated (4E4A), H/H1 - MICC exposed to touch (4G1A)

# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

## CIRCUIT DETAILS / TEST RESULTS

| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Overcurrent protective devices Type No. | Overcurrent protective devices Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω: Ring final circuits only (measured end-to-end) r1 | r2 | rn | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both: R1 + R2 | R2 | Insulation resistance (Record lower reading): Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing: Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation: RCD (✓) | AFDD (✓) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/L1 | Ring Main Plant Room | A | B | 2 | 2.5 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 32 | 10 | 30 | 0.54 | 0.15 | 0.16 | 0.24 | ✓ | 0.09 | N/A | 250 | LIM | >299 | ✓ | 0.24 | 39.9 | 29.9 | ✓ | N/A |
| 5/L2 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 5/L3 | AOV | A | B | 1 | 2.5 | 2.5 | 0.4 | 61009 RCD/RCBO | C | 6 | 10 | 30 | 2.91 | N/A | N/A | N/A | N/A | 0.18 | N/A | 250 | LIM | >299 | ✓ | 0.35 | 38.6 | 33.9 | ✓ | N/A |
| 6/L1 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 6/L2 | Lighting | A | B | 4 | 1.5 | 1.5 | 0.4 | 61009 RCD/RCBO | C | 10 | 10 | 30 | 1.75 | N/A | N/A | N/A | N/A | 0.30 | N/A | 250 | LIM | >299 | ✓ | 0.49 | 38.9 | 37.8 | ✓ | N/A |
| 6/L3 | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 7/TP | Mech Control Panel | G | C | 1 | 16 | 16 | 5 | 60898 MCB | C | 32 | 10 | N/A | 0.54 | N/A | N/A | N/A | N/A | 0.01 | N/A | 250 | LIM | >299 | ✓ | 0.20 | N/A | N/A | N/A | N/A |
| 8/TP | Solar PV | G | E | 1 | 6 | 6 | 0.4 | 60898 MCB | C | 32 | 10 | N/A | 0.54 | N/A | N/A | N/A | N/A | 0.18 | N/A | 250 | LIM | >299 | ✓ | 0.41 | N/A | N/A | N/A | N/A |
| 9/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 10/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 11/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 12/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 13/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 14/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 15/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 16/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 17/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 18/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 19/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 20/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 21/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 22/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 08/07/2022 To 08/07/2022

Date(s) live testing 08/07/2022 To 08/07/2022

Tested by: Name (capital letters) TRE LEVER

Position Electrical Test Engineer

Date 08/07/2022

Signature

Wiring Types. **A** PVC/PVC, **B** PVC cables in metallic Conduit, **C** PVC cables in non-metallic Conduit, **D** PVC cables in metallic trunking, **E** PVC cables in non-metallic trunking, **F** PVC/SWA cables, **G** SWA/XPLE cables, **H** Mineral Insulated, **MW** Metal Work, **FM** Ferrous Metal, **O** Other

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# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

FT/EICR 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

| CIRCUIT DETAILS | | | | | | | | | | | | | | TEST RESULTS | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Circuit No. and Line No. | Distribution board Designation / Circuit designation | Type of wiring | Ref. method | No. of points | Circuit conductors csa (mm²) L / N | Circuit conductors csa (mm²) CPC | Maximum disconnection | Overcurrent protective devices BS EN Number | Overcurrent protective devices Type No. | Overcurrent protective devices Rating (A) | Breaking capacity (KA) | RCD operating (mA) | BS 7671 Max. permitted Zs Other 80% (Ω) | Circuit impedance Ω Ring final circuits only (measured end-to-end) r1 | r2 | rn | Fig 8 check (✓) | All circuits to be completed using R1R2 or R2, not both R1 + R2 | R2 | Insulation resistance (Record lower reading) Test voltage V | L/L, L/N M(Ω) | L/E, N/E M(Ω) | Polarity (✓) | Max. Measured Zs (Ω) | RCD testing Above 30mA IΔn ms | 30mA or below 5 IΔn ms | Manual test button operation RCD (✓) | AFDD (✓) |
| 23/TP | SPARE | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| 24/TP | Surge Protection | D | B | 1 | 16 | 16 | 5 | 60898 MCB | C | 40 | 10 | N/A | 0.44 | N/A | N/A | N/A | N/A | 0.01 | N/A | 250 | LIM | >299 | ✓ | 0.19 | N/A | N/A | N/A | N/A |

Details of circuits and/or installed equipment vulnerable to damage when testing

Date(s) dead testing 08/07/2022 To 08/07/2022

Date(s) live testing 08/07/2022 To 08/07/2022

Tested by: Name (capital letters) TRE LEVER Position Electrical Test Engineer Date 08/07/2022

Signature

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# ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

**FT/EICR** 110149905

**Requirements for Electrical Installations**
**BS 7671:2018 (IET Wiring Regulations 18th Edition)**

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | DB/PL<br>Circuit designation | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Details of circuits and/or installed equipment vulnerable to damage when testing

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Position Electrical Test Engineer

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Signature

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## Generic Continuation

**General Conditions of the Electrical Installation:**
Wiring Systems.
The wiring systems utilized for final circuit wiring in the installation are (A) PVC T&E Cables and (G) XLPE Cables.

Installation methods used are (E) Ran On Cable Tray.

The final circuits are protected by 60898 MCB's with 61009 RCD Protection.
Main Gas bond is located in the Gas Riser GF and is bonded with a 50mm Earthing Cable With warning labels attached.
The Main Water bond is located in the Plant room and is bonded with a 50mm Earthing Cable with warning labels attached.

Observation notes

All information and documentation (where available) were used to help compile this report.

Circuit charts should be present for each Distribution Board providing relevant information in accordance with Regulation 514.9.1 of the BS 7671:2018.

On the distribution board schedules of circuit details cable types and sizes have been typed in as what is visible at the distribution board only. Circuits may have been jointed with a different cable type further along the circuit Only a percentage of the installation has been dismantled for inspection purposes. The correct connection of every conductor and link throughout the premises cannot be ensured.

Additional Comments
No access to sealed supply authority fuses therefore Characteristics of Primary Supply Protective Devices are not filled in on page 2
A new regulation 421.1.7 has been introduced recommending the installation of Arc Fault detection devices conforming to BS EN 62606 to mitigate the risk of fire in AC final circuits of a fixed installation due to arc fault currents.
This installation has been designed and installed prior to July 2018.There is no evidence of
overvoltage protection within the electrical installation, we recommend Surge Protective Devices be installed in order to reduce the risk of damage to the installation by external transient
overvoltage's or switching.

Overall Assessment
In general, the installation is a Un Satisfactory overall condition with the C2 Observations requiring Urgent Attention.
It is recommended a maximum 5-year period for the next inspection and test to be carried out.

Abbreviations possibly contained in this Report: -

RHS – Right Hand Side
LHS – Left Hand Side
BOH – Back Of House.
D/B - Distribution board.
RCD - Residual current device.
CPC - Circuit protective conductor.
FCU – Fused Connection Unit.
CSA - Cross Sectional Area.
MET – Main Earthing Terminal.
LIM – Limitation (Agreed or Operational)
MIC – Sheath of MICC cable used as CPC
SWA – Steel Wire Armouring used as CPC
MW – Metalwork used as CPC.
FP – FP200 Fire Resistant Cable.
GF – Ground Floor
1F – First Floor
2F – Second Floor
3F – Third Floor
4F – Fourth Floor

Remarks:

DB/M Remarks:
10/L3 - Fire Alarm Panel: fp200 cable