

ELECTRICAL INSTALLATION CONDITION REPORT

19 - Master



| | | | |
|---|--|--|--|
| A. Details of the Client/Person Ordering the Report | | B. Reason for Producing this Report | |
| Client: Jon Young | Address: 102 Clifton Road Aberdeen AB24 4RJ | Purpose of this report: Rental | Date(s) on which Inspection: and testing was carried out: 15/06/2017 |
| C. Details of the Installation which is the Subject of this Report | | Domestic Commercial Industrial | |
| Installation: 100 Clifton Road | Occupier: N/A | Description of premises: <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | Other: N/A |
| Address: 100 Clifton Road Aberdeen AB24 4RJ | Record of Installation available: N/A | Estimated age of wiring system: 20 yrs | Evidence of alterations or additions: N/A |
| Records held By: N/A | Date of previous inspection: Not Known | | |
| D. Extent and Limitations Inspection and Testing | | Agreed limitations including the reasons (See regulation 634.2) | |
| Extent of Electrical Installation covered by this report: Complete | Operational Limitations including the reasons (See page No N/A) | None | |
| This inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS7671:2008 (IET Wiring Regulations) as amended to July 2015 | | Agreed with name: N/A | |
| It should be noted that cables concealed within trunking 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 condition of the installations (In terms of electrical safety) | |
| Good | | Overall assessment of the installation: Satisfactory | |
| | | *An unsatisfactory assessment indicates that dangerous (code C1) and/or potentially dangerous (code C2) conditions have been identified. | |
| F. Recommendations | | | |
| Where the overall assessment of the suitability of the installation for continued use above is stated as SATISFACTORY, I recommend that any observations classified as 'Danger present' (code C1) or 'Potentially dangerous' (code C2) are acted upon as a matter of urgency. Investigation without delay is recommended for observations identified as 'further investigation required' (code F1). Observation classified as 'Improvement recommended' (code C3) should be given due consideration. Subject to the necessary remedial action being taken I recommend that the installation is further inspected and tested by 15/06/2022 | | | |
| G. Declaration | | I, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by My 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 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. | |
| Trading Title and address: D Murray Electrical Ltd, Ashton, Banff Road, Turriff, Aberdeenshire, AB534BZ | NICEIC Enrolment Number: N/A | Branch No. (If Applicable): 1 | |
| Inspected and tested by: | | Name: Darren Murray Position: Qualified Supervisor Signature: [Signature] Date: 16/06/2017 | |
| Report authorised for issue by: | | Name: Darren Murray Position: Qualified Supervisor Signature: [Signature] Date: 16/06/2017 | |
| H. Schedule(s) The attached schedule(s) are part of this document and this report is valid only when they are attached to it. | | | |
| Page(s): N/A Schedule(s) of inspection and N/A Schedule(s) of test results are attached | | | |

I. Supply Characteristics and Earthing Arrangements

| Earthing Arrangements | Number and Type of Live Conductors | | | | Nature of Supply Parameters | | | Supply protective device | |
|--|------------------------------------|-------------------------------------|---|-------------------------------------|------------------------------|--|--|---|--|
| TN-S <input type="checkbox"/> N/A | a.c. | <input checked="" type="checkbox"/> | | d.c. | <input type="checkbox"/> N/A | Nominal Voltage $U^{(1)}$ | <input type="text" value="400"/> V | BS(EN) 5 - BS 1361 Type 2 Fuse | |
| TN-C-S <input checked="" type="checkbox"/> | 1-Phase (2 wire) | <input checked="" type="checkbox"/> | 1-Phase (3 wire) <input type="checkbox"/> N/A | 2 Wire | <input type="checkbox"/> N/A | Nominal Voltage $U_0^{(1)}$ | <input type="text" value="230"/> V | Type | |
| TN-C <input type="checkbox"/> N/A | 2-Phase (3 wire) | <input type="checkbox"/> N/A | | 3 Wire | <input type="checkbox"/> N/A | Nominal frequency $f^{(1)}$ | <input type="text" value="50"/> Hz | <input type="text" value="2"/> | |
| TT <input type="checkbox"/> N/A | 3-Phase (3 wire) | <input type="checkbox"/> N/A | 3-Phase (4 wire) <input type="checkbox"/> N/A | Other | <input type="checkbox"/> N/A | Prospective fault current $I_{pf}^{(2)}$ | <input type="text" value="0.876"/> kA | Nominal current rating <input type="text" value="100"/> A | |
| IT <input type="checkbox"/> N/A | Other | <input type="text" value="N/A"/> | | | | External loop impedance $Z_e^{(2)}$ | <input type="text" value="0.28"/> Ω | Short circuit capacity <input type="text" value="33"/> kA | |
| Confirmation of supply polarity | | | | <input checked="" type="checkbox"/> | | Number of supplies <input type="text" value="1"/> | | | |
| | | | | | | (Note: (1) by enquiry, (2) by enquiry or by measurement) | | | |

J. Particulars of Installation Referred to in the Report

| Means of earthing | Details of installation Earth Electrode (where applicable) | | |
|--|--|---|--|
| Distributor's facility <input checked="" type="checkbox"/> | Type (e.g. rod(s), tape etc.) | <input type="text" value="N/A"/> | Location <input type="text" value="N/A"/> |
| Installation earth electrode <input type="checkbox"/> N/A | Resistance to Earth | <input type="text" value="N/A"/> Ω | Method of measurement <input type="text" value="N/A"/> |

Main Protective Conductors Tick boxes and enter details as applicable

| | | | |
|------------------------------------|--|---|--|
| Earthing Conductor | Material <input type="text" value="Copper"/> | csa <input type="text" value="16"/> mm ² | Connection and Continuity Verified <input checked="" type="checkbox"/> |
| Main protective bonding conductors | Material <input type="text" value="Copper"/> | csa <input type="text" value="10"/> mm ² | Connection and Continuity Verified <input checked="" type="checkbox"/> |

| Bonding of Incoming Service | | | | Maximum Demand (Load) | |
|--|--|---|---|---|--|
| Water installation pipes <input checked="" type="checkbox"/> | Gas installation pipes <input checked="" type="checkbox"/> | Structural Steel <input type="checkbox"/> N/A | Lightning protection <input type="checkbox"/> N/A | <input type="text" value="50"/> Amps | |
| Oil installation pipes <input type="checkbox"/> N/A | Please State Other incoming service(s) <input type="text" value="N/A"/> <input type="text" value="N/A"/> | | | Protective measure(s) against electric shock <input type="text" value="ADS"/> | |

Main Switch / Switch-Fuse / Circuit-Breaker / RCD

| | | | |
|--|---|---|--|
| Location <input type="text" value="Front hallway"/> | Current rating <input type="text" value="63"/> A | if RCD main switch | |
| Type BS(EN) <input type="text" value="BS 61008 RCD"/> | Fuse/Device rating or setting <input type="text" value="63"/> A | Rated residual operation current, $I_{\Delta n}$ <input type="text" value="30"/> mA | Rated time delay <input type="text" value="N/A"/> ms |
| No of poles <input type="text" value="2"/> | Voltage rating <input type="text" value="250"/> V | RCD Operating time at, $I_{\Delta n}$ <input type="text" value="N/A"/> ms | |
| Supply Conductors material <input type="text" value="Copper"/> | Supply Conductors csa <input type="text" value="25"/> mm ² | | |

K. Observations

Referring to the attached schedule(s) of Inspection and Test Results, and subject to the limitations specified at the Extent and Limitations of the Inspection and testing section.

No remedial action is required. The following observations are made

| Item No | Observations | Code |
|---------|--------------|------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

One of the following codes, as appropriate, has been allocated to each of the observations made above 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 | <input type="text" value="0"/> |
| C2 - Potentially dangerous - urgent remedial action required | <input type="text" value="0"/> |
| C3 - Improvement recommended | <input type="text" value="0"/> |
| F1 - Further investigation required without delay | <input type="text" value="0"/> |

| Outcomes | Acceptable condition | ✓ | Unacceptable condition | State C1 or C2 | Improvement recommended | State C3 | Further investigation | FI | Not verified | N/V | Limitation | LIM | Not applicable | N/A |
|------------|---|---|------------------------|----------------|-------------------------|----------|-----------------------|----|--------------|-----|------------|----------|----------------|-----|
| Item No | Description | | | | | | | | | | Outcome | Comments | | |
| 1.0 | Condition/Adequacy of distributor's/supply intake equipment | | | | | | | | | | | | | |
| 1.1 | Service cable | | | | | | | | | | ✓ | No | | |
| 1.2 | Service head | | | | | | | | | | ✓ | No | | |
| 1.3 | Distributor's earthing arrangement(s) | | | | | | | | | | ✓ | No | | |
| 1.4 | Meter tails - Distributor/Consumer | | | | | | | | | | ✓ | No | | |
| 1.5 | Metering equipment | | | | | | | | | | ✓ | No | | |
| 1.6 | Means of main isolation (where present) | | | | | | | | | | ✓ | No | | |
| 2.0 | Presence of adequate arrangements for parallel or switched alternative sources | | | | | | | | | | | | | |
| 2.1 | Adequate arrangements where a generating set operates as a switched alternative to the public supply | | | | | | | | | | ✓ | No | | |
| 2.2 | Adequate arrangements where a generating set operates in parallel with the public supply | | | | | | | | | | ✓ | No | | |
| 3.0 | Automatic disconnection of supply | | | | | | | | | | | | | |
| 3.1 | Main earthing and bonding arrangements | | | | | | | | | | | | | |
| 3.1.1 | Presence and condition of distributor's earthing arrangement | | | | | | | | | | ✓ | No | | |
| 3.1.2 | Presence and condition of earth electrode arrangement | | | | | | | | | | N/A | No | | |
| 3.1.3 | Adequacy of earthing conductor size | | | | | | | | | | ✓ | No | | |
| 3.1.4 | Adequacy of earthing conductor connections | | | | | | | | | | ✓ | No | | |
| 3.1.5 | Accessibility of earthing conductor connections | | | | | | | | | | ✓ | No | | |
| 3.1.6 | Adequacy of main protective bonding conductor size(s) | | | | | | | | | | ✓ | No | | |
| 3.1.7 | Adequacy of main protective bonding conductor connections | | | | | | | | | | ✓ | No | | |
| 3.1.8 | Accessibility of main protective bonding connections | | | | | | | | | | ✓ | No | | |
| 3.1.9 | Accessibility and condition of other protective bonding connections | | | | | | | | | | ✓ | No | | |
| 3.1.10 | Provision of earthing/bonding labels at all appropriate locations | | | | | | | | | | ✓ | No | | |
| 3.2 | FELV | | | | | | | | | | | | | |
| 3.2.1 | Source providing at least simple separation | | | | | | | | | | ✓ | No | | |
| 3.2.2 | Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises. | | | | | | | | | | ✓ | No | | |
| 3.3 | Reduced low voltage | | | | | | | | | | | | | |
| 3.3.1 | Adequacy of source | | | | | | | | | | ✓ | No | | |
| 3.3.2 | Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises. | | | | | | | | | | ✓ | No | | |
| 4.0 | Other methods of protection (where the methods of protection listed below are employed, details should be provided on separate sheets) | | | | | | | | | | | | | |
| 4.1 | Double insulation | | | | | | | | | | ✓ | No | | |
| 4.2 | Reinforced insulation | | | | | | | | | | ✓ | No | | |
| 4.3 | Use of obstacles | | | | | | | | | | ✓ | No | | |
| 4.4 | Placing out of reach | | | | | | | | | | ✓ | No | | |
| 4.5 | Non-conducting location | | | | | | | | | | ✓ | No | | |
| 4.6 | Earth-free local equipotential bonding | | | | | | | | | | ✓ | No | | |
| 4.7 | Electrical separation for more than one item of equipment | | | | | | | | | | ✓ | No | | |
| 5.0 | Distribution equipment | | | | | | | | | | | | | |
| 5.1 | Adequacy of working space/accessibility of equipment | | | | | | | | | | ✓ | No | | |
| 5.2 | Security of fixing | | | | | | | | | | ✓ | No | | |
| 5.3 | Condition of insulation of live parts | | | | | | | | | | ✓ | No | | |
| 5.4 | Adequacy/security of barriers | | | | | | | | | | ✓ | No | | |
| 5.5 | Condition of enclosure(s) in terms of IP rating | | | | | | | | | | ✓ | No | | |
| 5.6 | Condition of enclosure(s) in terms of fire rating | | | | | | | | | | ✓ | No | | |
| 5.7 | Enclosure not damaged/deteriorated so as to impair safety | | | | | | | | | | ✓ | No | | |
| 5.8 | Presence of main switch(es), linked where required | | | | | | | | | | ✓ | No | | |
| 5.9 | Operation of main switch(es) (functional check) | | | | | | | | | | ✓ | No | | |
| 5.10 | Correct identification of circuit protective devices | | | | | | | | | | ✓ | No | | |

| Outcomes | Acceptable condition | ✓ | Unacceptable condition | State C1 or C2 | Improvement recommended | State C3 | Further investigation | FI | Not verified | N/V | Limitation | LIM | Not applicable | N/A |
|-------------|---|---|------------------------|----------------|-------------------------|----------|-----------------------|----|--------------|-----|------------|----------|----------------|-----|
| Item No | Description | | | | | | | | | | Outcome | Comments | | |
| 5.0 | Distribution equipment (Continued) | | | | | | | | | | | | | |
| 5.11 | Adequacy of protective devices for prospective fault current | | | | | | | | | | ✓ | No | | |
| 5.12 | RCD(s) provided for fault protection - includes RCBOs | | | | | | | | | | ✓ | No | | |
| 5.13 | RCD(s) provided for additional protection - includes RCBOs | | | | | | | | | | ✓ | No | | |
| 5.14 | RCD(s) provided for protection against fire - includes RCBOs | | | | | | | | | | ✓ | No | | |
| 5.15 | Manual operation for circuit-breakers and RCDs to prove disconnection | | | | | | | | | | ✓ | No | | |
| 5.16 | Presence of RCD retest notice at or near equipment where required | | | | | | | | | | ✓ | No | | |
| 5.17 | Presence of diagrams, charts or schedules at or near equipment where required | | | | | | | | | | ✓ | No | | |
| 5.18 | Presence of non-standard (mixed) cable colour warning notice at or near equipment where required | | | | | | | | | | ✓ | No | | |
| 5.19 | Presence of alternative/additional supply arrangements warning notice(s) at or near equipment where required | | | | | | | | | | ✓ | No | | |
| 5.20 | Presence of replacement next inspection recommendation label | | | | | | | | | | ✓ | No | | |
| 5.21 | Presence of other required labelling (specify) | | | | | | | | | | ✓ | No | | |
| 5.22 | Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating) | | | | | | | | | | ✓ | No | | |
| 5.23 | Single-pole switching or protective devices in line conductors only | | | | | | | | | | ✓ | No | | |
| 5.24 | Protection against mechanical damage where cables enter equipment | | | | | | | | | | ✓ | No | | |
| 5.25 | Protection against electromagnetic effects where cables enter metallic enclosures | | | | | | | | | | ✓ | No | | |
| 6.0 | Distribution/final circuits | | | | | | | | | | | | | |
| 6.1 | Identification of conductors | | | | | | | | | | ✓ | No | | |
| 6.2 | Cables correctly supported throughout their length | | | | | | | | | | ✓ | No | | |
| 6.3 | Condition of insulation of live parts | | | | | | | | | | ✓ | No | | |
| 6.4 | Non-sheathed cables protected by enclosure in conduit, ducting or trunking | | | | | | | | | | ✓ | No | | |
| 6.5 | Suitability of containment systems for continued use (including flexible conduit) | | | | | | | | | | ✓ | No | | |
| 6.6 | Cables correctly terminated in enclosures (indicate extent of sampling in Section D of report) | | | | | | | | | | ✓ | No | | |
| 6.7 | Confirmation of indication that SPD(s) are functional | | | | | | | | | | ✓ | No | | |
| 6.8 | Confirmation that ALL conductor connections, including connections to busbars are correctly located in terminals and are tight and secure | | | | | | | | | | ✓ | No | | |
| 6.9 | Examination of cables for signs of unacceptable thermal and mechanical damage/deterioration | | | | | | | | | | ✓ | No | | |
| 6.10 | Adequacy of cables for current-carrying capacity with regard to the type and nature of installation | | | | | | | | | | ✓ | No | | |
| 6.11 | Adequacy of protective devices; type and rated current for fault protection | | | | | | | | | | ✓ | No | | |
| 6.12 | Presence and adequacy of circuit protective conductors | | | | | | | | | | ✓ | No | | |
| 6.13 | Co-ordination between conductors and overload protective devices | | | | | | | | | | ✓ | No | | |
| 6.14 | Cable installation methods/practices appropriate to the type and nature of installation and external influences | | | | | | | | | | ✓ | No | | |
| 6.15 | Cables where exposed to direct sunlight, of a suitable type | | | | | | | | | | ✓ | No | | |
| 6.16 | Cables installed under floors, above ceilings, in walls / partitions, adequately protected against damage | | | | | | | | | | | | | |
| 6.16.1 | Installed in prescribed zones (see Section D. Extent and limitations) | | | | | | | | | | ✓ | No | | |
| 6.16.2 | Incorporating earthed armour or sheath, or installed within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like (see Section D. Extent and limitations) | | | | | | | | | | ✓ | No | | |
| 6.17 | Provision of additional protection by 30 mA RCD | | | | | | | | | | | | | |
| 6.17.1 | For mobile equipment not exceeding a rating of 32 A for use outdoors | | | | | | | | | | ✓ | No | | |
| 6.17.2 | For all socket-outlets of rating 20 A or less, unless exempt | | | | | | | | | | ✓ | No | | |
| 6.17.3 | For cables installed in walls / partitions at a depth of less than 50mm | | | | | | | | | | ✓ | No | | |
| 6.17.4 | For cables installed in walls / partitions containing metal parts regardless of depth | | | | | | | | | | ✓ | No | | |
| 6.18 | Provision of fire barriers, sealing arrangements and protection against thermal effects | | | | | | | | | | ✓ | No | | |
| 6.19 | Band II cables segregated/separated from Band I cables | | | | | | | | | | ✓ | No | | |
| 6.20 | Cables segregated/separated from non-electrical services | | | | | | | | | | ✓ | No | | |

| Outcomes | Acceptable condition | ✓ | Unacceptable condition | State C1 or C2 | Improvement recommended | State C3 | Further investigation | FI | Not verified | N/V | Limitation | LIM | Not applicable | N/A |
|-------------|--|---|------------------------|----------------|-------------------------|----------|-----------------------|----|--------------|-----|------------|----------|----------------|-----|
| Item No | Description | | | | | | | | | | Outcome | Comments | | |
| 6.21 | Termination of cables at enclosures (identify numbers and locations of items inspected in Section D) | | | | | | | | | | | | | |
| 6.21.1 | Connections under no undue strain | | | | | | | | | | ✓ | No | | |
| 6.21.2 | No basic insulation of a conductor visible outside an enclosure | | | | | | | | | | ✓ | No | | |
| 6.21.3 | Connections of live conductors adequately enclosed | | | | | | | | | | ✓ | No | | |
| 6.21.4 | Adequacy of connection at point of entry to enclosure (gland, bush or similar) | | | | | | | | | | ✓ | No | | |
| 6.22 | General condition of wiring systems | | | | | | | | | | ✓ | No | | |
| 6.23 | Temperature rating of cable insulation | | | | | | | | | | ✓ | No | | |
| 6.24 | Condition of accessories including socket-outlets, switches and joint boxes | | | | | | | | | | ✓ | No | | |
| 6.25 | Suitability of accessories for external influences | | | | | | | | | | ✓ | No | | |
| 6.26 | Single-pole switching or protective devices in line conductors only | | | | | | | | | | ✓ | No | | |
| 6.27 | Adequacy of connections, including cpcs, within accessories and to fixed and stationary equipment - identify / record numbers and locations of items inspected | | | | | | | | | | ✓ | No | | |
| 7.0 | Isolation and switching | | | | | | | | | | | | | |
| 7.1 | Isolators | | | | | | | | | | | | | |
| 7.1.1 | Presence and condition of appropriate devices | | | | | | | | | | ✓ | No | | |
| 7.1.2 | Acceptable location (state if local or remote) | | | | | | | | | | ✓ | No | | |
| 7.1.3 | Capable of being secured in the OFF position | | | | | | | | | | ✓ | No | | |
| 7.1.4 | Correct operation verified | | | | | | | | | | ✓ | No | | |
| 7.1.5 | Clearly identified by position and/or durable marking(s) | | | | | | | | | | ✓ | No | | |
| 7.1.6 | Warning label posted in situations where live parts cannot be isolated by the operation of a single device | | | | | | | | | | ✓ | No | | |
| 7.2 | Switching off for mechanical maintenance | | | | | | | | | | | | | |
| 7.2.1 | Presence and condition of appropriate devices | | | | | | | | | | ✓ | No | | |
| 7.2.2 | Acceptable location | | | | | | | | | | ✓ | No | | |
| 7.2.3 | Capable of being secured in the OFF position | | | | | | | | | | ✓ | No | | |
| 7.2.4 | Correct operation verified | | | | | | | | | | ✓ | No | | |
| 7.2.5 | Clearly identified by position and/or durable marking(s) | | | | | | | | | | ✓ | No | | |
| 7.3 | Emergency switching/stopping | | | | | | | | | | | | | |
| 7.3.1 | Presence and condition of appropriate devices | | | | | | | | | | ✓ | No | | |
| 7.3.2 | Readily accessible for operation where danger might occur | | | | | | | | | | ✓ | No | | |
| 7.3.3 | Correct operation verified | | | | | | | | | | ✓ | No | | |
| 7.3.4 | Clearly identified by position and/or durable marking(s) | | | | | | | | | | ✓ | No | | |
| 7.4 | Functional switching | | | | | | | | | | | | | |
| 7.4.1 | Presence and condition of appropriate devices | | | | | | | | | | ✓ | No | | |
| 7.4.2 | Correct operation verified | | | | | | | | | | ✓ | No | | |
| 8.0 | Current-using equipment (permanently connected) | | | | | | | | | | | | | |
| 8.1 | Condition of equipment in terms of IP rating | | | | | | | | | | ✓ | No | | |
| 8.2 | Equipment does not constitute a fire hazard | | | | | | | | | | ✓ | No | | |
| 8.3 | Enclosure not damaged/deteriorated so as to impair safety | | | | | | | | | | ✓ | No | | |
| 8.4 | Suitability for the environment and external influences | | | | | | | | | | ✓ | No | | |
| 8.5 | Security of fixing | | | | | | | | | | ✓ | No | | |
| 8.6 | Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire (indicate extent of sampling in Section D of report) | | | | | | | | | | ✓ | No | | |
| 8.7 | Recessed luminaires (e.g. downlighters) | | | | | | | | | | | | | |
| 8.7.1 | Correct type of lamps fitted | | | | | | | | | | ✓ | No | | |
| 8.7.2 | installed to minimise build-up of heat by use of "fire rated" fittings, insulation displacement box or similar | | | | | | | | | | ✓ | No | | |
| 8.7.3 | no signs of overheating to surrounding building fabric | | | | | | | | | | ✓ | No | | |
| 8.7.4 | no signs of overheating to conductors/terminations | | | | | | | | | | ✓ | No | | |

| Board Details | | TO BE COMPLETED IN EVERY CASE | | ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION | |
|--------------------------------|---------------|--|-------|--|--------|
| Location of Distribution Board | Front hallway | Supply to distribution board is from | N/A | Associated RCD (if any) | |
| Distribution board designation | DB 1 | No of phases | N/A | BS(EN) | N/A |
| | | Nominal Voltage | N/A V | RCD No of Poles | N/A |
| | | Overcurrent protective device for the distribution circuit | | RCD Rating | N/A mA |
| | | Type BS(EN) | N/A | Rating | N/A A |

| Circuit number and phase | Circuit designation | Type of wiring | Reference method | No of points served | Circuit conductors csa | | Max permitted disconnection times | Overcurrent protective device | | | | RCD | Max permitted Zs Ω |
|--------------------------|---------------------|----------------|------------------|---------------------|------------------------|---------------------|-----------------------------------|-------------------------------|---------|----------|---------------------------|------------------|--------------------|
| | | | | | Live mm ² | cpc mm ² | | BS(EN) | Type No | Rating A | Short circuit capacity kA | Op. current I Δn | |
| 1/S | Shower | A | B | 1 | 10 | 6 | 0.4 | 60898 MCB | B | 50 | 6 | 30 | 0.87 |
| 2/S | Shower | A | B | 1 | 10 | 6 | 0.4 | 60898 MCB | B | 50 | 6 | 30 | 0.87 |
| 3/S | Water heater | A | B | 1 | 10 | 6 | 0.4 | 60898 MCB | B | 16 | 6 | 30 | 2.73 |
| 4/S | Lights | A | B | 6 | 10 | 6 | 0.4 | 60898 MCB | B | 6 | 6 | 30 | 7.28 |
| 5/S | Lights | A | B | 5 | 10 | 6 | 0.4 | 60898 MCB | B | 6 | 6 | 30 | 7.28 |
| 6/S | Smoke Alarms | A | B | 12 | 10 | 6 | 0.4 | 60898 MCB | B | 6 | 6 | 30 | 7.28 |
| 7/S | Sockets | A | B | 10 | 10 | 6 | 0.4 | 60898 MCB | B | 32 | 6 | 30 | 1.37 |
| 8/S | Sockets | A | B | 6 | 10 | 6 | 0.4 | 60898 MCB | B | 32 | 6 | 30 | 1.37 |
| 9/S | Sockets | A | B | 12 | 10 | 6 | 0.4 | 60898 MCB | B | 32 | 6 | 30 | 1.37 |
| 10/S | SPARE | - | - | - | - | - | - | - | - | - | - | - | - |
| 11/S | SPARE | - | - | - | - | - | - | - | - | - | - | - | - |
| 12/S | SPARE | - | - | - | - | - | - | - | - | - | - | - | - |
| 13/S | SPARE | - | - | - | - | - | - | - | - | - | - | - | - |
| 14/S | SPARE | - | - | - | - | - | - | - | - | - | - | - | - |
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| Wiring Code | | | | | | | | |
|----------------|--------------------------------|------------------------------------|---------------------------------|-------------------------------------|----------------|-----------------|--------------------------|-------|
| A | B | C | D | E | F | G | H | O |
| PVC/PVC cables | PVC cables in metallic conduit | PVC cables in non-metallic conduit | PVC cables in metallic trunking | PVC cables in non-metallic trunking | PVC/SWA cables | XLPE/SWA cables | Mineral insulated cables | Other |

Board Tests

| | | | | | | | | | | |
|--|-------------------------------------|----|--|--|-------------------------------------|----|----------------------------|--------|-------|--------|
| ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION | | | | TEST INSTRUMENTS (SERIAL NUMBERS) USED | | | | | | |
| Zs | N/A | Ω | Operating times of associated RCD (if any) | At I Δ _n | N/A | ms | Earth fault loop impedance | 800328 | RCD | 800328 |
| Ipf | N/A | kA | | At 5I Δ _n | N/A | ms | Insulation resistance | 800328 | Other | N/A |
| Correct supply polarity confirmed | <input checked="" type="checkbox"/> | | Phase sequence confirmed (where appropriate) | | <input checked="" type="checkbox"/> | | Continuity | 800328 | Other | N/A |


Details of circuits and/or equipment vulnerable to damage

None

Circuit Tests

| Circuit number and phase | Circuit Impedances Ω | | | | | Insulation resistance | | | | polar i r t y | Maximum measured earth fault loop impedance Ω | RCD operating times | | | Remarks see continuation sheet |
|--------------------------|---|--------------------------|----------------------|--|-------------------|-----------------------|--------------|------------|---------------|---------------------------|---|---------------------|----------------------|-----------------------|--------------------------------|
| | Ring final circuits only (measure end to end) | | | All circuits (At least one column to be completed) | | Live/Live | Live/Neutral | Live/Earth | Earth/Neutral | | | At I Δ _n | At 5I Δ _n | Test button operation | |
| | r ₁ (Line) | r _n (Neutral) | r ₂ (cpc) | (R ₁ + R ₂) | (R ₂) | MΩ | MΩ | MΩ | MΩ | | | ms | ms | | |
| 1/S | N/A | N/A | N/A | 0.06 | N/A | N/A | 200 | 200 | 200 | ✓ | 0.52 | 32.8 | 15.6 | ✓ | NO |
| 2/S | N/A | N/A | N/A | 0.09 | N/A | N/A | 200 | 200 | 200 | ✓ | 0.55 | 32.8 | 15.6 | ✓ | NO |
| 3/S | N/A | N/A | N/A | 0.42 | N/A | N/A | 200 | 200 | 200 | ✓ | 0.62 | 32.8 | 15.5 | ✓ | NO |
| 4/S | N/A | N/A | N/A | 0.58 | N/A | N/A | 200 | 200 | 200 | ✓ | 0.74 | 32.8 | 15.6 | ✓ | NO |
| 5/S | N/A | N/A | N/A | 0.45 | N/A | N/A | 200 | 200 | 200 | ✓ | 0.66 | 32.8 | 15.6 | ✓ | NO |
| 6/S | N/A | N/A | N/A | 0.61 | N/A | N/A | 200 | 200 | 200 | ✓ | 0.77 | 32.8 | 15.6 | ✓ | NO |
| 7/S | 0.74 | 0.74 | 0.79 | ✓ | 0.55 | N/A | 200 | 200 | 200 | ✓ | 0.72 | 32.8 | 15.6 | ✓ | NO |
| 8/S | 0.59 | 0.59 | 0.64 | ✓ | 0.41 | N/A | 200 | 200 | 200 | ✓ | 0.55 | 32.8 | 15.6 | ✓ | NO |
| 9/S | 0.66 | 0.66 | 0.71 | ✓ | 0.48 | N/A | 200 | 200 | 200 | ✓ | 0.70 | 32.8 | 15.6 | ✓ | NO |
| 10/S | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 11/S | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 12/S | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 13/S | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 14/S | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
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Tested By

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|-----------|---|-----------------|----------------------|
| Signature |  | Position | Qualified Supervisor |
| Name | Darren Murray | Date of testing | 15/06/2017 |