NICEIC APPROVED CONTRACTOR

Contractor's Reference Number

This certificate is not valid if the serial number has been defaced or altered **IPN4/0329461**

# ELECTRICAL INSTALLATION CONDITION REPORT

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor Conforming Body enrolled with NICEIC, Warwick House,Houghton Hall Park, Houghton Regis,Dunstable,LU5 5ZX

Original (To the person ordering the work)

## A. DETAILS OF THE CLIENT

| | | | |
|---|---|---|---|
| Client: | JSM Property Service Ltd | Address: | 58 Whiteford Road<br>Mannamead<br>Plymouth<br>Postcode: PL35LY |

## B. PURPOSE OF THE REPORT

***This report must be used only for reporting on the condition of an existing installation.***

| | |
|---|---|
| Purpose for which this report is required: | To assess the condition of the installation in relation to current standards |
| Date(s) on which inspection and testing were carried out: | 19/08/2016 |

## C. DETAILS OF THE INSTALLATION

| | | | |
|---|---|---|---|
| Occupier | Vacant | Address | 13 Nelson Street<br>Greenbank<br>Plymouth<br>Postcode: PL48ND |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Estimated age of the electrical installation: | 10 | years | Description of premises: domestic, commercial, industrial, other (Please state) | Domestic | Evidence of alterations or additions | No | If yes, estimated age N/A years |
| Date of previous inspection: | 19/08/2011 | | Electrical Installation Certificate No or previous Periodic Inspection or Condition Report No: | | | | |
| Records of installation available: | ✔ | | Records held by: | Landlord & Uni-lec | | | |

## D. EXTENT OF THE INSTALLATION AND LIMITATIONS ON THE INSPECTION AND TESTING

Extent of the electrical installation covered by this report:

All fixed wiring DB1&DB2

Agreed limitations (including the reasons), if any, on the inspection and testing:

Agreed with: As Below

Operational limitations including the reasons (see page No. 2 )

The inspection and testing have been carried out in accordance with BS 7671, as amended. Cables concealed within trunking and conduits, or cables and conduits concealed under floors, in inaccessible roof spaces and generally within the fabric of the building or underground, have not been visually inspected unless specifically agreed between the client and inspector prior to the inspection.

## E. SUMMARY OF THE CONDITION OF THE INSTALLATION

General condition of the installation (in terms of electrical safety):

Very Good

Summary of the condition of the installation continued on additional pages? No ✔ Yes Specify page No(s):

**Overall assessment of the installation:** SATISFACTORY / UNSATISFACTORY

**An 'Unsatisfactory' assessment indicates that dangerous (CODE C1) and/or potentially dangerous (CODE C2) conditions have been identified, or that Further investigation without delay (FI) is required**

This report should have been reviewed and confirmed by the registered Qualified Supervisor of the Approved Contractor responsible for issuing it. (See declaration on page 2)





**Please see the 'Notes for Recipients'**

## F. OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

**Referring to the attached schedules of inspection and test results, and subject to the limitations at D:**

There are no items adversely affecting electrical safety. N/A **or** The following observations and recommendations for are made ✔

| Item No | | Code † |
|---|---|---|
| 1 | 1 Absence of RCD Protection for cables concealed within walls. Circuits 1-6<br>2 Absence of RCD protection for a circuit in a room containing a bath and shower<br>3 Absence of RCD protection for sockets unlikely to supply equipment for outdoor use<br>Absence of RCD protection for cables concealed with in the walls | C3 |
| 2 | Absence of RCD protection for a circuit in a room containing a bath and shower | C3 |
| 3 | Absence of RCD protection for socket unlikely to supply equipment for outdoor use | C3 |
| 4 | Absence of cable number identification inside DB19 for inspection ,testing ,repair ,alteration) | C3 |
| | | |
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Additional Pages? No ✔ Yes Specify page

†*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:*

**Code C1** ***"Danger Present".*** Risk of injury. Immediate remedial action required.
**Code C2** ***"Potentially dangerous".*** Urgent remedial action required.
**Code C3** ***"Improvement recommended".***
**Code FI** ***"Further investigation required without delay".***

***Please see the notes for recipient for guidance regarding the Classification codes.***

| | |
|---|---|
| **Immediate remedial action required for items:** | |
| **Urgent remedial action required for items:** | |
| **Further investigation required without delay for items:** | |
| **Improvement recommended for items:** | 1, 2, 3, 4 |

## 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 in page 1 (see C), having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations (see F) and the attached schedules (see H), provides an accurate assessment of the condition of the electrical installation taking into account the stated extent of the installation and the limitations of the inspection and testing (see D).

**I/We further declare that in my/our judgement, the overall assessment of the installation in terms of its suitability for continued use is**

**SATISFACTORY / ~~UNSATISFACTORY*~~** **(see F) at the time the inspection was carried out, and that it should be further inspected as recommended (see I).**

***An 'Unsatisfactory' assessment indicates that dangerous (CODE C1) and/or potentially dangerous (CODE C2) conditions have been identified, or that Further investigation without delay (FI) is required.**

**INSPECTION, TESTING AND ASSESSMENT BY:**

| | |
|---|---|
| Signature | |
| Name (CAPITALS) | Steve Harper |
| Position | Electrician |
| Date: | 19/08/2016 |

**REPORT REVIEWED AND CONFIRMED BY:**

| | |
|---|---|
| Signature |  |
| Name (CAPITALS) | JAMIE BOYES |
| | *(Registered Qualified Supervisor for the Approved Contractor at J)* |
| Date: | 19/08/2016 |

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# ELECTRICAL INSTALLATION CONDITION REPORT

Original (To the person ordering the work)

## H. SCHEDULES AND ADDITIONAL PAGES

Inspection Schedule: Page(s) No 4,5,6

Additional pages, including additional source(s) data sheets: Page No(s)

Schedule of Circuit Details for the Installation: Page No(s) 7, 9, 11

Schedule of Test Results for the Installation: Page No(s) 8, 10, 12

The pages identified are an essential part of this report. The report is valid only if accompanied by all the schedules and additional pages identified above.

## I. NEXT INSPECTION

I/We recommend that this installation is further inspected and tested after an interval of not more than 5 YEARS *(Enter interval in terms of years, months or weeks, as appropriate)*

provided that any items at F which have been attributed a Classification code C1 (danger present) are remedied immediately and that any items which have been attributed a code C2 (potentially dangerous) or FI (further investigation required without delay) are remedied or investigated respectively as a matter of urgency. Items which have been attributed a Classification code C3 should be improved as soon as practicable (see F).

## J. DETAILS OF NICEIC APPROVED CONTRACTOR

Trading Title: Uni-lec contractors ltd

Address: Unit 7 creative court
Central park ave
plymouth
devon
Postcode:PL4 6NW

Telephone number: 07875502629

Email Address: jamie@uni-lec.com

Enrolment number: 605532000 (Essential information)

Branch number: (if applicable)

## K. SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

**System Type(s)**

| | |
|---|---|
| TN-S | ✔ |
| TN-C-S | |
| TN-C | |
| TT | |
| IT | |

**Number and Type of Live Conductors**

| | | | | | |
|---|---|---|---|---|---|
| | | a.c. | ✔ | d.c. | |
| 1-phase (2 wire) | ✔ | 1-phase (3 wire) | | 2 pole | |
| 2-phase (3 wire) | | | | 3 pole | |
| 3-phase (3 wire) | | 3-phase (4 wire) | | other | x |
| Other | N/A | | | | |

**Nature of Supply Parameters**

| | | | |
|---|---|---|---|
| Nominal Voltage(s): $U^{(1)}$ | N/A V | $U_0$ (1) | 230 V |
| Nominal frequency, $f^{(1)}$ | 50 Hz | | |
| Prospective fault current, $I_{pf}$ (2)(3) | 1.4 kA | | |
| External earth fault loop impendance, $Ze$ (3)(4) | 0.17 Ω | | |
| Number of sources | 1 | | |

*Notes:*
*(1) by enquiry*
*(2) by enquiry or by measurement*
*(3) where more than one supply, record the higher or highest values*
*(4) by measurement*

**Characteristics of Primary Supply Overcurrent Protective Device(s)**

| | | | |
|---|---|---|---|
| BS(EN) | BS 1361 Fuse HBC Domesti | | |
| Type | 2 | | |
| Rated current | 100 | A | |
| Short-circuit capacity | 33 | kA | |
| Confirmation of supply polarity | ✔ | (✔) | |

## L. PARTICULARS OF INSTALLATION AT THE ORIGIN

**Means of Earthing**

Distributor's facility: ✔

Installation earth electrode:

**Details of Installation Earth Electrode (where applicable)**

Type: (eg rod(s),tape(s)) N/A

Electrode resistance, $R_A$: N/A (Ω)

Location: N/A

Method of measurement: N/A

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

| | | | | |
|---|---|---|---|---|
| Type: BS(EN) | 60947-3 | Voltage rating | 230 | V |
| No of Poles | 2 | Rated current, $I_n$ | 100 | A |
| Primary supply conductors material | Copper | RCD operating current, $I_{\Delta n}$* | N/A | mA |
| Primary supply conductors csa | 16 mm² | Rated time delay* | | ms |
| | | RCD operating time (at $I_{\Delta n}$)* | N/A | ms |

**Earthing and protective bonding conductors**

**Earthing conductor**

| | | |
|---|---|---|
| Conductor material | Copper | |
| Conductor csa | 10 | mm² |
| Connection/ continuity verified | ✔ | (✔) |

**Main protective bonding conductors**

| | | |
|---|---|---|
| Conductor material | Copper | |
| Conductor csa | 10 | mm² |
| Connection/ continuity verified | ✔ | (✔) |

**Bonding of extraneous-conductive-parts (✔)**

| | | | |
|---|---|---|---|
| Water installation pipes | ✔ | Lightning protection | N/A |
| Oil installation pipes | N/A | Structural steel | N/A |
| Gas installation pipes | ✔ | | |

Other: N/A

** (applicable only where an RCD is suitable and is used as a main circuit-breaker)*





Please see the 'Notes for Recipients'

# ELECTRICAL INSTALLATION CONDITION REPORT

Original (To the person ordering the work)

## INSPECTION SCHEDULE FOR DISTRIBUTION BOARDS AND CIRCUITS

| Item | Description | Outcome* | Location reference |
|---|---|---|---|
| **1.0** | **Condition/adequacy of distributor's/supply intake equipment** | | |
| 1.1 | Service cable | ✔ | |
| 1.2 | Service head | ✔ | |
| 1.3 | Distributor's earthing arrangement(s) | ✔ | |
| 1.4 | Meter tails - Distributor/ Consumer | ✔ | |
| 1.5 | Metering equipment | ✔ | |
| 1.6 | Means of main isolation (where present) | N/A | |
| **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 | N/A | |
| 2.2 | Adequate arrangements where a generating set operates in parallel with the public supply | N/A | |
| **3.0** | **Automatic disconnection of supply** | | |
| 3.1 | Main earthing and bonding arrangements | | |
| | • Presence and condition of distributor's earthing arrangement | ✔ | |
| | • Presence and condition of earth electrode arrangement | ✔ | |
| | • Adequacy of earthing conductor size | ✔ | |
| | • Adequacy of earthing conductor connections | ✔ | |
| | • Accessibility of earthing conductor connections | ✔ | |
| | • Adequacy of main protective bonding conductor size(s) | ✔ | |
| | • Adequacy of main protective bonding conductor connections | ✔ | |
| | • Accessibility of main protective bonding connections | ✔ | |
| | • Accessibility and condition of other protective bonding connections | ✔ | |
| | • Provision of earthing/bonding labels at all appropriate locations | ✔ | |
| 3.2 | FELV | | |
| | • Source providing at least simple separation | N/A | |
| | • Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises | N/A | |
| 3.3 | Reduced low voltage | | |
| | • Adequacy of source | N/A | |
| | • Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises | N/A | |
| **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 | ✔ | |
| 4.2 | Reinforced insulation | N/A | |
| 4.3 | Use of obstacles | N/A | |
| 4.4 | Placing out of reach | N/A | |
| 4.5 | Non-conducting location | N/A | |
| 4.6 | Earth-free local equipotential bonding | N/A | |
| 4.7 | Electrical separation for more than one item of equipment | N/A | |
| **5.0** | **Distribution equipment** | | |
| 5.1 | Adequacy of working space/accessibility of equipment | ✔ | |
| 5.2 | Security of fixing | ✔ | |
| 5.3 | Condition of insulation of live parts | ✔ | |
| 5.4 | Adequacy/security of barriers | ✔ | |
| 5.5 | Condition of enclosure(s) in terms of IP rating | ✔ | |
| 5.6 | Condition of enclosure(s) in terms of fire rating | ✔ | |
| 5.7 | Enclosure not damaged/deteriorated so as to impair safety | ✔ | |
| 5.8 | Presence of main switch(es), linked where required | ✔ | |
| 5.9 | Operation of main switch(es) (functional check) | ✔ | |
| 5.10 | Correct identification of circuit protective devices | ✔ | |
| 5.11 | Adequacy of protective devices for prospective fault current | ✔ | |
| 5.12 | RCD(s) provided for fault protection - includes RCBOs | ✔ | |
| 5.13 | RCD(s) provided for additional protection - includes RCBOs | ✔ | |
| 5.14 | RCD(s) provided for protection against fire - includes RCBOs | ✔ | |

* ***All Outcome boxes must be completed***
'✔' indicates Acceptable condition
***'LIM'*** indicates a Limitation
***'N/A'*** indicates Not applicable

**Unacceptable condition** state C1 or C2
**Improvement recommended** state C3
**Further investigation required without delay** state FI
(to determine whether danger or potential danger exists)

**Outcome**
Provide additional comment where appropriate on attached numbered sheets. C1, C2, C3 and FI coded items to be recorded in Section F of the report.

## INSPECTION SCHEDULE FOR DISTRIBUTION BOARDS AND CIRCUITS

| Item | Description | Outcome* | Location reference |
|---|---|---|---|
| 5.15 | Manual operation of circuit-breakers and RCDs to prove disconnection | ✔ | |
| 5.16 | Presence of RCD retest notice at or near equipment where required | ✔ | |
| 5.17 | Presence of diagrams, charts or schedules at or near equipment, where required | ✔ | |
| 5.18 | Presence of non-standard (mixed) cable colour warning notice at or near equipment where required | ✔ | |
| 5.19 | Presence of alternative/additional supply arrangement warning notice(s) at or near equipment where required | N/A | |
| 5.20 | Presence of replacement next inspection recommendation label | ✔ | |
| 5.21 | Presence of other required labelling (specify) | N/A | |
| 5.22 | Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating) | ✔ | |
| 5.23 | Single-pole switching or protective devices in line conductors only | ✔ | |
| 5.24 | Protection against mechanical damage where cables enter equipment | ✔ | |
| 5.25 | Protection against electromagnetic effects where cables enter metallic enclosures | ✔ | |
| **6.0** | **Distribution/final circuits** | | |
| 6.1 | Identification of conductors | ✔ | |
| 6.2 | Cables correctly supported throughout their length | ✔ | |
| 6.3 | Condition of insulation of live parts | ✔ | |
| 6.4 | Non-sheathed cables protected by enclosure in conduit, ducting or trunking | N/A | |
| 6.5 | Suitability of containment systems for continued use (including flexible conduit) | N/A | |
| 6.6 | Cables correctly terminated in enclosures (indicate extent of sampling in Section D of report) | ✔ | |
| 6.7 | Confirmation of indication that SPD(s) are functional | N/A | |
| 6.8 | Confirmation that ALL conductor connections, including connections to busbars are correctly located in terminals and are tight and secure | ✔ | |
| 6.9 | Examination of cables for signs of unacceptable thermal and mechanical damage/deterioration | ✔ | |
| 6.10 | Adequacy of cables for current-carrying capacity with regard to the type and nature of installation | ✔ | |
| 6.11 | Adequacy of protective devices; type and rated current for fault protection | ✔ | |
| 6.12 | Presence and adequacy of circuit protective conductors | ✔ | |
| 6.13 | Co-ordination between conductors and overload protective devices | ✔ | |
| 6.14 | Cable installation methods/practices appropriate to the type and nature of installation and external influences | ✔ | |
| 6.15 | Cables where exposed to direct sunlight, of a suitable type | N/A | |
| 6.16 | Cables installed under floors, above ceilings, in walls / partitions, adequately protected against damage | | |
| | • installed in prescribed zones (see Section D. Extent and limitations) | LIM | |
| | • 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) | N/A | |
| 6.17 | Provision of additional protection by 30 mA RCD | | |
| | • † for mobile equipment not exceeding a rating of 32 A for use outdoors | N/A | |
| | • † for all socket-outlets of rating 20 A or less, unless exempt | ✔ | |
| | • † for cables installed in walls / partitions at a depth of less than 50 mm | C3 | |
| | • † for cables installed in walls / partitions containing metal parts regardless of depth | C3 | |
| 6.18 | Provision of fire barriers, sealing arrangements and protection against thermal effects | ✔ | |
| 6.19 | Band II cables segregated/separated from Band I cables | ✔ | |
| 6.20 | Cables segregated/separated from non-electrical services | ✔ | |
| 6.21 | Termination of cables at enclosures (identify numbers and locations of items inspected in Section D) | | |
| | • Connections under no undue strain | ✔ | |
| | • No basic insulation of a conductor visible outside an enclosure | ✔ | |
| | • Connections of live conductors adequately enclosed | ✔ | |
| | • Adequacy of connection at point of entry to enclosure (gland, bush or similar) | ✔ | |
| 6.22 | General condition of wiring systems | ✔ | |
| 6.23 | Temperature rating of cable insulation | ✔ | |
| 6.24 | Condition of accessories including socket-outlets, switches and joint boxes | ✔ | |
| 6.25 | Suitability of accessories for external influences | ✔ | |
| 6.26 | Single-pole switching or protective devices in line conductors only | ✔ | |
| 6.27 | Adequacy of connections, including cpcs, within accessories and to fixed and stationary equipment - identify /record numbers and locations of items inspected | ✔ | |
| **7.0** | **Isolation and switching** | | |

* ***All Outcome boxes must be completed***
'✔' indicates Acceptable condition
***'LIM'*** indicates a Limitation
***'N/A'*** indicates Not applicable

**Unacceptable condition** state C1 or C2
**Improvement recommended** state C3
**Further investigation required without delay** state FI
(to determine whether danger or potential danger exists)

**Outcome**
Provide additional comment where appropriate on attached numbered sheets. C1, C2, C3 and FI coded items to be recorded in Section F of the report.

## INSPECTION SCHEDULE FOR DISTRIBUTION BOARDS AND CIRCUITS

| Item | Description | Outcome* | Location reference |
|---|---|---|---|
| 7.1 | Isolators | | |
| | • presence and condition of appropriate devices | ✔ | |
| | • acceptable location (state if local or remote) | ✔ | |
| | • capable of being secured in the OFF position | ✔ | |
| | • correct operation verified | ✔ | |
| | • clearly identified by position and/or durable marking(s) | ✔ | |
| | • Warning label posted in situations where live parts cannot be isolated by the operation of a single device | N/A | |
| 7.2 | Switching off for mechanical maintenance | | |
| | • presence and condition of appropriate devices | N/A | |
| | • acceptable location | N/A | |
| | • capable of being secured in the OFF position | N/A | |
| | • correct operation verified | N/A | |
| | • clearly identified by position and/or durable marking(s) | N/A | |
| 7.3 | Emergency switching/stopping | | |
| | • presence and condition of appropriate devices | N/A | |
| | • readily accessible for operation where danger might occur | N/A | |
| | • correct operation verified | N/A | |
| | • clearly identified by position and/or durable marking(s) | N/A | |
| 7.4 | Functional switching | | |
| | • presence and condition of appropriate devices | ✔ | |
| | • correct operation verified | ✔ | |
| **8.0** | **Current-using equipment (permanently connected)** | | |
| 8.1 | Condition of equipment in terms of IP rating | ✔ | |
| 8.2 | Equipment does not constitute a fire hazard | ✔ | |
| 8.3 | Enclosure not damaged/deteriorated so as to impair safety | ✔ | |
| 8.4 | Suitability for the environment and external influences | ✔ | |
| 8.5 | Security of fixing | ✔ | |
| 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) | N/A | |
| 8.7 | Recessed luminaires (e.g. downlighters) | | |
| | • correct type of lamps fitted | N/A | |
| | • installed to minimise build-up of heat by use of "fire rated" fittings, insulation displacement box or similar | N/A | |
| | • no signs of overheating to surrounding building fabric | N/A | |
| | • no signs of overheating to conductors/terminations | N/A | |
| **9.0** | **Location(s) containing a bath or shower** | | |
| 9.1 | Additional protection by RCD not exceeding 30 mA | | |
| | • for low voltage circuits serving the location | ✔ | |
| | • for low voltage circuits passing through Zone 1 and Zone 2 not serving the location | ✔ | |
| 9.2 | Where used as a protective measure, requirements for SELV or PELV are met | ✔ | |
| 9.3 | Shaver sockets comply with BS EN 61558-2-5 or BS 3535 | N/A | |
| 9.4 | Presence of supplementary bonding conductors unless not required by BS 7671: 2008 | N/A | |
| 9.5 | Low voltage (e.g. 230 volts) socket-outlets sited at least 3 m from zone 1 | N/A | |
| 9.6 | Suitability of equipment for external influences for installed location in terms of IP rating | ✔ | |
| 9.7 | Suitability of equipment for installation in a particular zone | ✔ | |
| 9.8 | Suitability of current-using equipment for a particular position within the location | N/A | |
| **10.0** | **Other special installations or locations** | | |
| | List special locations present, if any. List the results of particular inspections applied (a separate page is required for each location). | N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A | |

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'✔' indicates Acceptable condition
*'LIM'* indicates a Limitation
*'N/A'* indicates Not applicable

**Unacceptable condition** state C1 or C2
**Improvement recommended** state C3
**Further investigation required without delay** state FI
(to determine whether danger or potential danger exists)

**Outcome**
Provide additional comment where appropriate on attached numbered sheets. C1, C2, C3 and FI coded items to be recorded in Section F of the report.

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# SCHEDULE OF CIRCUIT DETAILS FOR THE PRIMARY DISTRIBUTION BOARD

Original (To the person ordering the work)

## CIRCUIT DETAILS

**TO BE COMPLETED IN EVERY CASE**

Location of distribution board: Front Entrance Hall High Level

Distribution board designation: DB001---

**TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION***

Supply to distribution board is from: N/A

No of phases: 1 Nominal voltage: 230 V

Overcurrent protective device for the distribution circuit:

Associated RCD (if any): BS(EN) 61008

Type: BS(EN) N/A Rating: N/A A

RCD No of poles: 2 $I_{\Delta n}$ 30 mA

| Circuit number and line | Circuit designation | Type of wiring (see code below) | Reference method ↟ | Number of points served | Circuit conductors: csa Live (mm²) | Circuit conductors: csa cpc (mm²) | Max. disconnection time permitted by BS 7671 (s) | Overcurrent protective devices BS (EN) | Overcurrent protective devices Type | Overcurrent protective devices Rating (A) | Overcurrent protective devices Short-circuit capacity (kA) | RCD Operating current, $I_{\Delta n}$ (mA) | Maximum $Z_s$ permitted by BS 7671 (Ω) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| * | | | | | | | | | | | | | |
| | 1st and 2nd FLOOR RING | A | C | 12 | 2.5 | 1.5 | 5 | 60898 MCB | B | 32 | 10 | N/A | 1.50 |
| | HEATING BOILER | A | C | 1 | 2.5 | 1.5 | 5 | 60898 MCB | B | 16 | 10 | N/A | 2.88 |
| | LIGHTS 1ST & 2ND FLOOR | A | C | 6 | 1 | 1 | 5 | 60898 MCB | B | 6 | 10 | N/A | 7.67 |
| | LIGHTS GROUND FLOOR | A | C | 4 | 1 | 1 | 5 | 60898 MCB | B | 6 | 10 | N/A | 7.67 |
| | LIGHTS COMMUNAL &E/LS | A | C | 9 | 1 | 1 | 5 | 60898 MCB | B | 6 | 10 | N/A | 7.67 |
| | ALARM SYSTEM | A | C | 1 | 1 | 1 | 5 | 60898 MCB | B | 6 | 10 | N/A | 7.67 |
| | SPARE | . | . | . | . | . | . | | | | . | | |
| | STAIRCASE TIMER | N/A | - | N/A | N/A | N/A | N/A | N/A | | N/A | N/A | N/A | N/A |
| | SPARE | . | . | . | . | . | . | | | | . | | |
| | GROUND FLOOR RING | A | C | 6 | 2.5 | 1.5 | 0.4 | 60898 MCB | B | 32 | 10 | 30 | 1.44 |
| | KITCHEN RING | A | C | 7 | 2.5 | 1.5 | 0.4 | 60898 MCB | B | 32 | 10 | 30 | 1.50 |
| | COOKER | A | C | 1 | 6 | 2.5 | 0.4 | 60898 MCB | B | 32 | 10 | 30 | 1.50 |
| | | | | | | | | | | | | | |
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** In such cases, details of the distribution (sub-main) circuit(s), together with the test results for the circuit(s), must also be provided, on continuation schedules.*

↟ See Table 4A2 of Appendix 4 of BS 7671

| CODES FOR TYPE OF WIRING | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| A | B | C | D | E | F | G | H | O (Other - please state) |
| Thermoplastic insulated/ sheathed cables | Thermoplastic cables in metallic conduit | Thermoplastic cables in non metallic conduit | Thermoplastic cables in metallic trunking | Thermoplastic cables in non metallic trunking | Thermoplastic/ SWA cables | Thermosetting/ SWA cables | Mineral-insulated cables | |





See next page for Schedule of Test Results

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **IPN4/0329461**

# SCHEDULE OF TEST RESULTS FOR THE PRIMARY DISTRIBUTION BOARD

Original (To the person ordering the work)

## TEST RESULTS

**TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION**

Characteristics at this distribution board

| | | | | | |
|---|---|---|---|---|---|
| | yes | Confirmation of supply polarity | | | |
| * See note below $Z_s$ | *N/A | Ω | Operating times of associated RCD (if any) | At $I_{\Delta n}$ | N/A ms |
| $I_{pf}$ | *N/A | kA | | At $5I_{\Delta n}$ | N/A ms |
| | | Phase sequence confirmed (where appropriate) | | | N/A |

**Test instruments (serial numbers) used:**

| | | | |
|---|---|---|---|
| Earth fault loop impedance | 071007/2580 | RCD | 071007/2580 |
| Insulation resistance | 071007/2580 | Multi function | NA |
| Continuity | 071007/2580 | Other | N/A |

| Circuit number and line | Circuit impedances (Ω) | | | | | Insulation resistance | | | | Polarity | Maximum measured earth fault loop impedance, $Z_s$ | RCD operating times | | Test button operation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ring final circuits only (measured end to end) | | | All circuits (At least one column to be completed) | | Line/Line † | Line/Neutral † | Line/Earth † | Neutral/Earth | | | at $I_{\Delta n}$ | at $5I_{\Delta n}$ (if applicable) | |
| | $r_1$ (Line) | $r_n$ (Neutral) | $r_2$ (cpc) | $R_1 + R_2$ | $R_2$ | (MΩ) | (MΩ) | (MΩ) | (MΩ) | (✔) | (Ω) | (ms) | (ms) | (✔) |
| * | | | | | | | | | | | | | | |
| | 0.65 | 0.65 | 1.07 | 0.49 | N/A | N/A | 200 | 200 | 200 | ✔ | 0.58 | N/A | N/A | |
| | N/A | N/A | N/A | 0.21 | N/A | N/A | 200 | 200 | 200 | ✔ | 0.34 | N/A | N/A | |
| | N/A | N/A | N/A | 0.80 | N/A | N/A | 200 | 200 | 200 | ✔ | 0.97 | N/A | N/A | |
| | N/A | N/A | N/A | 0.71 | N/A | N/A | 200 | 200 | 200 | ✔ | 1.07 | N/A | N/A | |
| | N/A | N/A | N/A | 0.84 | N/A | N/A | 200 | 200 | 200 | ✔ | 1.01 | N/A | N/A | |
| | N/A | N/A | N/A | 0.09 | N/A | N/A | 200 | 200 | 200 | ✔ | 0.20 | N/A | N/A | |
| | - | - | - | - | - | - | - | | - | | - | - | - | |
| | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | N/A | N/A | N/A | |
| | - | - | - | - | - | - | - | | - | | - | - | - | |
| | 0.37 | 0.36 | 0.63 | 0.30 | N/A | N/A | 200 | 200 | 200 | ✔ | 0.45 | 37.6 | 13.2 | |
| | 0.47 | 0.46 | 0.75 | 0.41 | N/A | N/A | 200 | 200 | 200 | ✔ | 0.64 | 38.1 | 13.5 | |
| | N/A | N/A | N/A | 0.14 | N/A | N/A | 200 | 200 | 200 | ✔ | 0.25 | 37.4 | 13.2 | |
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* Note: *Where the installation can be supplied by more than one source, such as a primary source (eg public supply) and a secondary source (eg standby generator), the higher or highest values must be recorded.*

**TESTED BY**

| | | | |
|---|---|---|---|
| **Signature:** | | **Position:** | Electrician |
| **Name: (CAPITALS)** | Perry way | **Date of testing:** | 19/08/2016 |





See previous page for Schedule of Circuit Details

NICEIC APPROVED CONTRACTOR

This certificate is not valid if the serial number has been defaced or altered **IPN4/0329461**

# SCHEDULE OF CIRCUIT DETAILS FOR THE PRIMARY DISTRIBUTION BOARD

Original (To the person ordering the work)

## CIRCUIT DETAILS

**TO BE COMPLETED IN EVERY CASE**

Location of distribution board: MAIN ENTRANCE HALL HIGH LEVEL

Distribution board designation: DB002---

**TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION***

Supply to distribution board is from: Connected to Main Electrical Supply

No of phases: 1 Nominal voltage: 230 V

Overcurrent protective device for the distribution circuit:

Associated RCD (if any): BS(EN) N/A

Type: BS(EN) 1361 Rating: 80 A RCD No of poles: N/A $I_{\Delta n}$ mA

| Circuit number and line | Circuit designation | Type of wiring (see code below) | Reference method ↟ | Number of points served | Circuit conductors: csa Live (mm²) | Circuit conductors: csa cpc (mm²) | Max. disconnection time permitted by BS 7671 (s) | Overcurrent protective devices BS (EN) | Overcurrent protective devices Type | Overcurrent protective devices Rating (A) | Overcurrent protective devices Short-circuit capacity (kA) | RCD Operating current, $I_{\Delta n}$ (mA) | Maximum $Z_s$ permitted by BS 7671 (Ω) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| * | | | | | | | | | | | | | |
| 1 /L1 | FIRE ALARM SYSTEM | O | C | 1 | 1.5 | 1 | 5 | 60898 MCB | B | 6 | 10 | N/A | 8.00 |
| 1 /L2 | | | | | | | | | | | | | |
| 1 /L3 | | | | | | | | | | | | | |
| 2 /L1 | | | | | | | | | | | | | |
| 2 /L2 | | | | | | | | | | | | | |
| 2 /L3 | | | | | | | | | | | | | |
| 3 /L1 | | | | | | | | | | | | | |
| 3 /L2 | | | | | | | | | | | | | |
| 3 /L3 | | | | | | | | | | | | | |
| 4 /L1 | | | | | | | | | | | | | |
| 4 /L2 | | | | | | | | | | | | | |
| 4 /L3 | | | | | | | | | | | | | |
| 5 /L1 | | | | | | | | | | | | | |
| 5 /L2 | | | | | | | | | | | | | |
| 5 /L3 | | | | | | | | | | | | | |
| 6 /L1 | | | | | | | | | | | | | |
| 6 /L2 | | | | | | | | | | | | | |
| 6 /L3 | | | | | | | | | | | | | |
| 7 /L1 | | | | | | | | | | | | | |
| 7 /L2 | | | | | | | | | | | | | |
| 7 /L3 | | | | | | | | | | | | | |
| 8 /L1 | | | | | | | | | | | | | |
| 8 /L2 | | | | | | | | | | | | | |
| 8 /L3 | | | | | | | | | | | | | |
| 9 /L1 | | | | | | | | | | | | | |
| 9 /L2 | | | | | | | | | | | | | |
| 9 /L3 | | | | | | | | | | | | | |
| 10 /L1 | | | | | | | | | | | | | |

** In such cases, details of the distribution (sub-main) circuit(s), together with the test results for the circuit(s), must also be provided, on continuation schedules.*

↟ See Table 4A2 of Appendix 4 of BS 7671

| CODES FOR TYPE OF WIRING | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| A | B | C | D | E | F | G | H | O (Other - please state) |
| Thermoplastic insulated/ sheathed cables | Thermoplastic cables in metallic conduit | Thermoplastic cables in non metallic conduit | Thermoplastic cables in metallic trunking | Thermoplastic cables in non metallic trunking | Thermoplastic/ SWA cables | Thermosetting/ SWA cables | Mineral-insulated cables | |





See next page for Schedule of Test Results

NICEIC APPROVED CONTRACTOR

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# SCHEDULE OF TEST RESULTS FOR THE PRIMARY DISTRIBUTION BOARD

Original (To the person ordering the work)

## TEST RESULTS

**TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION**

Characteristics at this distribution board

Confirmation of supply polarity:

** See note below*

$Z_s$ *N/A Ω — Operating times of associated RCD (if any): At $I_{\Delta n}$ N/A ms; At $5I_{\Delta n}$ N/A ms

$I_{pf}$ *N/A kA

Phase sequence confirmed (where appropriate): N/A

**Test instruments (serial numbers) used:**

| | | | |
|---|---|---|---|
| Earth fault loop impedance | 611-649/040304/2242 | RCD | 611-649/040304/2242 |
| Insulation resistance | 611-649/040304/2242 | Multi function | N/A |
| Continuity | 611-649/040304/2242 | Other | N/A |

| Circuit number and line | Circuit impedances (Ω) | | | | | Insulation resistance | | | | Polarity | Maximum measured earth fault loop impedance, $Z_s$ | RCD operating times | | Test button operation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ring final circuits only (measured end to end) | | | All circuits (At least one column to be completed) | | Line/Line † | Line/Neutral † | Line/Earth † | Neutral/Earth | | | at $I_{\Delta n}$ | at $5I_{\Delta n}$ (if applicable) | |
| | $r_1$ (Line) | $r_n$ (Neutral) | $r_2$ (cpc) | $R_1 + R_2$ | $R_2$ | (MΩ) | (MΩ) | (MΩ) | (MΩ) | (✔) | (Ω) | (ms) | (ms) | (✔) |
| * | | | | | | | | | | | | | | |
| 1 /L1 | N/A | N/A | N/A | 0.13 | N/A | N/A | > 200 | > 200 | > 200 | ✔ | 0.31 | N/A | N/A | |
| 1 /L2 | | | | | | | | | | | | | | |
| 1 /L3 | | | | | | | | | | | | | | |
| 2 /L1 | | | | | | | | | | | | | | |
| 2 /L2 | | | | | | | | | | | | | | |
| 2 /L3 | | | | | | | | | | | | | | |
| 3 /L1 | | | | | | | | | | | | | | |
| 3 /L2 | | | | | | | | | | | | | | |
| 3 /L3 | | | | | | | | | | | | | | |
| 4 /L1 | | | | | | | | | | | | | | |
| 4 /L2 | | | | | | | | | | | | | | |
| 4 /L3 | | | | | | | | | | | | | | |
| 5 /L1 | | | | | | | | | | | | | | |
| 5 /L2 | | | | | | | | | | | | | | |
| 5 /L3 | | | | | | | | | | | | | | |
| 6 /L1 | | | | | | | | | | | | | | |
| 6 /L2 | | | | | | | | | | | | | | |
| 6 /L3 | | | | | | | | | | | | | | |
| 7 /L1 | | | | | | | | | | | | | | |
| 7 /L2 | | | | | | | | | | | | | | |
| 7 /L3 | | | | | | | | | | | | | | |
| 8 /L1 | | | | | | | | | | | | | | |
| 8 /L2 | | | | | | | | | | | | | | |
| 8 /L3 | | | | | | | | | | | | | | |
| 9 /L1 | | | | | | | | | | | | | | |
| 9 /L2 | | | | | | | | | | | | | | |
| 9 /L3 | | | | | | | | | | | | | | |
| 10 /L1 | | | | | | | | | | | | | | |

** Note: Where the installation can be supplied by more than one source, such as a primary source (eg public supply) and a secondary source (eg standby generator), the higher or highest values must be recorded.*

**TESTED BY**

| | | | |
|---|---|---|---|
| **Signature:** | | **Position:** | Electrician |
| **Name: (CAPITALS)** | Perry way | **Date of testing:** | 19/08/2016 |





See previous page for Schedule of Circuit Details

NICEIC APPROVED CONTRACTOR

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# SCHEDULE OF CIRCUIT DETAILS FOR THE PRIMARY DISTRIBUTION BOARD

Original (To the person ordering the work)

## CIRCUIT DETAILS

**TO BE COMPLETED IN EVERY CASE**

Location of distribution board: MAIN ENTRANCE HALL HIGH LEVEL

Distribution board designation: DB002---

**TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION***

Supply to distribution board is from: Connected to Main Electrical Supply

No of phases: 1 Nominal voltage: 230 V

Overcurrent protective device for the distribution circuit:

Associated RCD (if any): BS(EN) N/A

Type: BS(EN) 1361 Rating: 80 A RCD No of poles: N/A $I_{\Delta n}$ mA

| Circuit number and line | Circuit designation | Type of wiring (see code below) | Reference method ↑ | Number of points served | Circuit conductors: csa Live (mm²) | Circuit conductors: csa cpc (mm²) | Max. disconnection time permitted by BS 7671 (s) | Overcurrent protective devices BS (EN) | Overcurrent protective devices Type | Overcurrent protective devices Rating (A) | Overcurrent protective devices Short-circuit capacity (kA) | RCD Operating current, $I_{\Delta n}$ (mA) | Maximum $Z_s$ permitted by BS 7671 (Ω) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 /L2 | | | | | | | | | | | | | |
| 10 /L3 | | | | | | | | | | | | | |
| 11 /L1 | | | | | | | | | | | | | |
| 11 /L2 | | | | | | | | | | | | | |
| 11 /L3 | | | | | | | | | | | | | |
| 12 /L1 | | | | | | | | | | | | | |
| 12 /L2 | | | | | | | | | | | | | |
| 12 /L3 | | | | | | | | | | | | | |
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* *In such cases, details of the distribution (sub-main) circuit(s), together with the test results for the circuit(s), must also be provided, on continuation schedules.*

↑ See Table 4A2 of Appendix 4 of BS 7671

| CODES FOR TYPE OF WIRING | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| A | B | C | D | E | F | G | H | O (Other - please state) |
| Thermoplastic insulated/ sheathed cables | Thermoplastic cables in metallic conduit | Thermoplastic cables in non metallic conduit | Thermoplastic cables in metallic trunking | Thermoplastic cables in non metallic trunking | Thermoplastic/ SWA cables | Thermosetting/ SWA cables | Mineral-insulated cables | |





See next page for Schedule of Test Results

NICEIC APPROVED CONTRACTOR

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# SCHEDULE OF TEST RESULTS FOR THE PRIMARY DISTRIBUTION BOARD

Original (To the person ordering the work)

## TEST RESULTS

**TO BE COMPLETED ONLY IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION**

Characteristics at this distribution board

Confirmation of supply polarity

** See note below*

$Z_s$ *N/A Ω — Operating times of associated RCD (if any): At $I_{\Delta n}$ N/A ms; At $5I_{\Delta n}$ N/A ms

$I_{pf}$ *N/A kA

Phase sequence confirmed (where appropriate) N/A

**Test instruments (serial numbers) used:**

| | | | |
|---|---|---|---|
| Earth fault loop impedance | 611-649/040304/2242 | RCD | 611-649/040304/2242 |
| Insulation resistance | 611-649/040304/2242 | Multi function | N/A |
| Continuity | 611-649/040304/2242 | Other | N/A |

| Circuit number and line | Circuit impedances (Ω) | | | | | Insulation resistance | | | | Polarity | Maximum measured earth fault loop impedance, $Z_s$ | RCD operating times | | Test button operation |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ring final circuits only (measured end to end) | | | All circuits (At least one column to be completed) | | Line/Line † | Line/Neutral † | Line/Earth † | Neutral/Earth | | | at $I_{\Delta n}$ | at $5I_{\Delta n}$ (if applicable) | |
| | $r_1$ (Line) | $r_n$ (Neutral) | $r_2$ (cpc) | $R_1 + R_2$ | $R_2$ | (MΩ) | (MΩ) | (MΩ) | (MΩ) | (✔) | (Ω) | (ms) | (ms) | (✔) |
| 10 /L2 | | | | | | | | | | | | | | |
| 10 /L3 | | | | | | | | | | | | | | |
| 11 /L1 | | | | | | | | | | | | | | |
| 11 /L2 | | | | | | | | | | | | | | |
| 11 /L3 | | | | | | | | | | | | | | |
| 12 /L1 | | | | | | | | | | | | | | |
| 12 /L2 | | | | | | | | | | | | | | |
| 12 /L3 | | | | | | | | | | | | | | |
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** Note: Where the installation can be supplied by more than one source, such as a primary source (eg public supply) and a secondary source (eg standby generator), the higher or highest values must be recorded.*

**TESTED BY**

| | | | |
|---|---|---|---|
| **Signature:** | | **Position:** | Electrician |
| **Name: (CAPITALS)** | Perry way | **Date of testing:** | 19/08/2016 |





See previous page for Schedule of Circuit Details