



NAPIT Electrical Installation Certificate (Single Signature)

Domestic and Similar Premises with up to 100 A Supply

NA/EIC 006413

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

Page 1 of 1

Details of the Installation

Client **MRS S. VASIL**
Address **14 HALL PARK
YORK**
Postcode **YO10 5DT**

Installation (If different from client)
Address **MILTON HOUSE
115 LAWRENCE STREET
YORK**
Postcode **YO10 3EF**

Description, extent and limitations of the installation

Installation is ☐ New ☐ Additional ☒ Alteration

Records Available Yes ☒ No ☐

Date of original installation **2002**

Description of Installation

Change Consumer unit

Extent of installation covered by this Certificate

All Circuits

Details of departure from BS 7671:2018 (Regulations 120.3, 133.1.3 and 133.5)

NONE

Details of permitted exceptions (Regulation 411.3.3)

Where applicable, a suitable risk assessment(s) must be attached to this Certificate

Risk assessment attached (Non-dwelling only) ☐

For design, construction, inspection and testing [for sole person responsibility]

I being the person responsible for design, construction, inspection and test of the electrical installation (as indicated by my signature below), particulars of which are described in Section 2, having exercised reasonable skill and care when carrying out the design, construction, inspection and test hereby CERTIFY that the design, construction, inspection and test for which I have been responsible is to the best of my knowledge and belief in accordance with BS 7671:2018, in Section 2 as subject of this certificate. The extent of liability of the signatory is limited to the work described.

Next inspection I the designer recommend that this Installation Is further Inspected after an Interval of not more than (date).

For the DESIGN / CONSTRUCTION / INSPECTION AND TEST of the installation:

Company name **P.D. CLARK ELEC LTD**
Installer **P. CLARK**
Company address **87 BRAMLEY GARTH**
Postcode **YO31 0PQ**

Signature **P. Clark**
Position **TESTER**
Date **5 OCT 23**
NAPIT membership No. **14236**

Supply characteristics and earthing arrangements

Earthing Arrangements TN-S ☒ TN-C-S ☐ TT ☐ Other ☐ Please specify:

Number and Type of
Live Conductors

AC ☒

DC ☐

No. of phases **1**

No. of wires **2**

Confirmation of supply polarity ☒

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

Nominal voltage, U₀⁽¹⁾ **241** V

Nominal frequency, f⁽¹⁾ **50** Hz

Prospective fault current, I_{pf}⁽²⁾ **1.61** kA

External loop Impedance, Z_e⁽²⁾ **0.09** Ω

Supply Protective Device BS (EN) **1361**

Type **II**

Nominal current rating **40** A

Other Sources of Supply (as detailed on attached schedule) ☐

Particulars of installation referred to in this certificate

Means of Earthing Distributor's facility ☒ Installation earth electrode ☐

Details of installation earth electrode (where applicable) Type (e.g. rod(s), tape etc) Maximum Demand (load) KVA/Amps

Location Electrode resistance to earth Ω

Main Protective Conductors

Material

csa

☒ or Ohm

(Connection/continuity ☒ or Ohm

☒ or Ohm

Earthing conductor

CU

16

☒

To water installation pipes ☒

To structural steel ☐

Main protective bonding conductor
(to extraneous-conductive-parts)

CU

10

To gas installation pipes ☒

To lightning protection ☐

Main supply conductor

CU

10

To oil installation pipes ☐

Other ☐

Main Switch

Location **BOARD**

BS(EN) **609473**

No. of poles **2**

Current rating **100**

Fuse/device rating or setting

A

Voltage rating **240**

V

If RCD main switch: Rated residual operating current I_{Δn} **30** mA

Rated time delay **2** ms

Measured operating trip time **21** ms

Schedule of Inspections and Test Results attached ☐

Comments on existing installation (In the case of addition or alteration see Regulation 644.1.2) use continuation sheet if needed.

GOOD INSTALLATION WITH RECENT IMPROVEMENTS.

(For additions or alterations) cables concealed within trunking and conduits, or cables or conduits concealed under floors, in roof spaces and generally within the fabric of the building or underground may not have been inspected.



All items inspected to confirm as appropriate, compliance with the relevant clauses in BS 7671:2018

Schedule of Inspections

Outcomes

Insert tick to indicate an inspection has been carried out and the result is satisfactory:



Insert N/A to indicate that the inspection is not applicable to a particular item:

N/A

Item No.	Description (Where inadequacies in intake equipment are encountered, it is recommended that the person ordering the report informs the appropriate authority).	Outcome
1.0	EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTION ONLY)	
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]	NA
2.2	Adequate arrangements where a generating set operates in parallel with the public supply [551.7]	NA
3.0	AUTOMATIC DISCONNECTION OF SUPPLY, PRESENCE AND ADEQUACY OF EARTHING AND PROTECTIVE BONDING ARRANGEMENTS	
3.1	Distributor's earthing arrangement (542.1.2.1; 542.1.2.2)	✓
3.2	Installation earth electrode (where applicable) (542.1.2.3)	✓
3.3	Earthing conductor and connections, including accessibility (542.3; 543.3.2)	✓
3.4	Main protective bonding conductors and connections, including accessibility (411.3.1.2; 543.3.2)	✓
3.5	Provision of safety electrical earthing/bonding labels at all appropriate locations (514.13)	✓
3.6	RCD(s) provided for fault protection (411.4.204; 411.5.3)	✓
4.0	BASIC PROTECTION, PRESENCE AND ADEQUACY OF MEASURES TO PROVIDE BASIC PROTECTION (PREVENTION OF CONTACT WITH LIVE PARTS) WITHIN THE INSTALLATION	
4.1	Insulation of live parts e.g. conductors completely covered with durable insulating material (416.1)	✓
4.2	Barriers or enclosures e.g. correct IP rating (416.2)	✓
5.0	ADDITIONAL PROTECTION, PRESENCE AND EFFECTIVENESS OF ADDITIONAL PROTECTION METHODS	
5.1	RCD(s) not exceeding 30 mA operating current (415.1; Part 7) see item 8.14 of this schedule	✓
5.2	Supplementary bonding (415.2; Part 7)	✓
6.0	OTHER METHODS OF PROTECTION, PRESENCE AND EFFECTIVENESS OF METHODS WHICH GIVE BOTH BASIC AND FAULT PROTECTION	
6.1	SELV system, including the source and associated circuits (Section 414)	✓
6.2	PELV system, including the source and associated circuits (Section 414)	NA
6.3	Double or reinforced insulation i.e. Class II or equivalent equipment and associated circuits (Section 412)	✓
6.4	Electrical separation for one item of equipment e.g. shaver supply unit (Section 413)	NA
7.0	CONSUMER UNIT(S) / DISTRIBUTION BOARDS(S)	
7.1	Adequacy of access and working space for items of electrical equipment including switchgear (132.12)	✓
7.2	Components are suitable according to assembly manufacturer's instructions or literature (536.4.203)	✓
7.3	Presence of linked main switch(es) (462.1.201)	✓
7.4	Isolators, for every circuit or group of circuits and all items of equipment (462.2)	✓
7.5	Suitability of enclosure(s) for IP and fire ratings (416.2; 421.1.6; 421.1.201; 526.5)	✓
7.6	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.5; 522.8.11)	✓
7.7	Confirmation that ALL conductor connections are correctly located in terminals and are tight and secure (526.1)	✓
7.8	Avoidance of heating effects where cables enter ferromagnetic enclosures e.g. steel (521.5)	✓
7.9	Selection of correct type and ratings of circuit protective devices for overcurrent and fault protection (411.3.2; 411.4; 411.5; 411.6; 432; 433; 537.3.1.1)	✓
7.10	CONSUMER UNIT(S) / DISTRIBUTION BOARDS(S) PRESENCE OF APPROPRIATE CIRCUIT CHARTS, WARNING AND OTHER NOTICES	
7.10.1	Provision of circuit charts/schedules or equivalent forms of information (514.9)	NA
7.10.2	Warning notice of method of isolation where live parts not capable of being isolated by a single device (514.11)	✓
7.10.3	Periodic inspection and testing notice (514.12.1)	✓
7.10.4	RCD six-monthly test notice; where required (514.12.2)	✓
7.10.5	AFDD six monthly test notice; where required	✓
7.10.6	Warning notice of non-standard (mixed) colours of conductors present (514.14)	✓
7.11	Presence of labels to indicate the purpose of switchgear and protective devices (514.1.1; 514.8)	✓

All items inspected to confirm as appropriate, compliance with the relevant clauses in BS 7671:2018

Schedule of Inspections Outcomes

Insert tick to indicate an inspection has been carried out and the result is satisfactory:



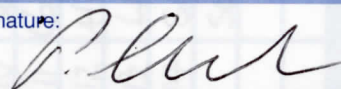
Insert N/A to indicate that the inspection is not applicable to a particular item:

N/A

Item No.	Description	Outcome
8.0	CIRCUITS	
8.1	Adequacy of conductors for current-carrying capacity with regard to type and nature of the installation (Section 523)	✓
8.2	Cable installation methods suitable for the location(s) and external influences (Section 522)	✓
8.3	Segregation/separation of Band I (ELV) and Band II (LV) circuits, and electrical and non-electrical services (528)	NA
8.4	Cables correctly erected and supported throughout, with protection against abrasion (Sections 521; 522)	✓
8.5	Provision of fire barriers, sealing arrangements where necessary (527.2)	✓
8.6	Non-sheathed cables enclosed throughout in conduit ducting or trunking (521.10.1; 526.8)	✓
8.7	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (522.6.201; 522.6.202; 522.6.203; 522.6.204)	NV
8.8	Conductors correctly identified by colour, lettering or numbering (Section 514)	✓
8.9	Presence, adequacy and correct termination of protective conductors (411.3.1.1; 543.1)	✓
8.10	Cables and conductors correctly connected, enclosed and with no undue mechanical strain (Section 526)	✓
8.11	No basic insulation of a conductor visible outside enclosure (526.8)	✓
8.12	Single-pole devices for switching or protection in line conductors only (132.14.1; 530.3.3; 643.6)	✓
8.13	Accessories not damaged, securely fixed, correctly connected, suitable for external influences (134.1.1; 512.2; Section 526)	✓
8.14	PROVISION OF ADDITIONAL PROTECTION / REQUIREMENTS BY RCD NOT EXCEEDING 30 mA:	
8.14.1	Socket-outlets rated at 32 A or less, unless exempt (411.3.3)	✓
8.14.2	Supplies for mobile equipment with a current rating not exceeding 32 A for use outdoors (411.3.3)	✓
8.14.3	Cables concealed in walls at a depth of less than 50 mm (522.6.202, 522.6.203)	NV
8.14.4	Cables concealed in walls/partitions containing metal parts regardless of depth (522.6.202; 522.6.203)	NV
8.14.5	Final circuits supplying luminaires within domestic (household) premises (411.3.4)	✓
8.15	PRESENCE OF APPROPRIATE DEVICES FOR ISOLATION AND SWITCHING CORRECTLY LOCATED INCLUDING:	
8.15.1	Means of switching off for mechanical maintenance (Section 464; 537.3.2)	✓
8.15.2	Emergency switching (465.1; 537.3.3.)	NA
8.15.3	Functional switching, for control of parts of the installation and current-using equipment (463.1; 537.3.1)	✓
8.15.4	Firefighter's switches (537.4)	NA
9.0	CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)	
9.1	Equipment not damaged, securely fixed and suitable for external influences (134.1.1; 416.2; 512.2)	✓
9.2	Provision of overload and/or undervoltage protection e.g. for rotating machines, if required (Sections 445; 552)	✓
9.3	Installed to minimize the build-up of heat and restrict the spread of fire (421.1.4; 559.4.1)	✓
9.4	Adequacy of working space. Accessibility to equipment (132.12; 513.1)	✓
10.0	LOCATION(S) CONTAINING A BATH OR SHOWER (SECTION 701)	
10.1	30 mA RCD protection for all LV circuits, equipment suitable for the zones, supplementary bonding (where required) etc.	✓
11.0	OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS (LIST ALL OTHER SPECIAL INSTALLATIONS OR LOCATIONS PRESENT)	
11.2		
11.3		
12.0	SCHEDULE OF TESTS (RESULTS TO BE RECORDED ON SCHEDULE(S) OF TEST RESULT)	
12.1	External earth loop impedance Z_e	✓
12.2	Installation earth electrode R_A	NA
12.3	Prospective fault current I_{pf}	✓
12.4	Continuity of Earth Conductors	✓
12.5	Continuity of circuit protective conductors	✓
12.6	Continuity of ring final circuit conductors	✓
12.7	Continuity of protective bonding conductors	✓
12.8	Volt drop verified	✓
12.9	Insulation Resistance between Live conductors	✓
12.10	Insulation Resistance between Live conductors & Earth	✓
12.11	Polarity (prior to energisation)	✓
12.12	Polarity (after energisation) including phase sequence	✓
12.13	Earth fault loop impedance	✓
12.14	RCD(s) / RCBO(s) including selectivity	✓
12.15	Functional testing of RCD devices	✓
12.16	Functional testing of AFDD devices	✓

Inspector's Name P. CLARK

Signature:



Date: OCT 23

CIRCUIT DETAILS

BS 7671	Max. permitted value Zs	Other	80 %
BS 7671	RCD operating current I _{Δn}	(mA)	
Overcurrent protective devices			
Breaking Capacity		(kA)	
Type		(A)	
Rating		(A)	
BS EN Number		No.	
Maximum disconnection time (BS 7671)		(s)	
Circuit conductor CPC (mm ²)		(mm ²)	
L/N (mm ²)		(mm ²)	
No. of points served			
Ref. method			
Type of wiring			
(Continuation) DB Ref. No.			
Circuit designation			
Circuit No.			
and line No.			

1	SHOWER	A	A	1	6	2.5	.4	60898	B	40	6	30	.75
2	SOCKETS - KITCHEN	A	15	2.5	1	"	"	B	32	6	4	.99	
3	SOCKETS - GROUND	A	11	2.5	1	"	"	B	32	6	4	.99	
4	N.I.U							B	32	6	4	.99	
5	HALLWAY 1ST FL							B	32	6	4	.99	
6	LIGHTS 1ST FL	A	17	1	1	.4	60898	B	6	6	4	7.8	
7	LIGHTS 2ND FL	A	3	1	1	.4	"	B	6	6	4	7.8	
8	COOKER	A	A	1	6	2.5	.4	60898		32	6	30	.99
9	SOCKETS 1ST FL	A	A	15	2.5	1	"		32	6	4	.99	
10	SOCKETS 2ND FL	A	A	8	2.5	1	"		20	6	4	1.68	
11	GARAGE	A/F	1	2.5	1	"	"		20	6	4	1.68	
12	HETTING	A	1	2.5	1	"	"		16	6	4	2.43	
13	LIGHTS GROUND FL	A	A	14	1	"	"		6	6	4	7.8	
14	SWITCHES	A	A	11	1	"	"		6	6	4	7.8	
	SURGE PROTECTION	A	A	1	6	2.5	"		40	6	4	.75	

TEST RESULTS

[illegible]

Tested by: Name (capital letters)

P. Clark

Date(s)

Signature

See attached sheets page(s)

Of

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

Date(s) dead testing

10

Date(s) live testing

To

Wiring Types: **A** PVC/PVC **B** PVC cables in metallic conduit **C** PVC cables in non-metallic conduit **D** PVC cables in metallic trunking

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 O Other

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NA/EIC/S001 (V1)