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DOMESTIC ELECTRICAL INSTALLATION CERTIFICATE

Small installations up to 100 A single phase supply

Issued in accordance with BS 7671: 2018 – Requirements for Electrical Installations

Original (to the person ordering the work)

PART 1 : DETAILS OF THE CONTRACTOR, CLIENT AND INSTALLATION

DETAILS OF THE CONTRACTOR

Registration No: 033365
Trading Title: Cooper Woods Electrical LTD
Address: 39 Bridge Road. Bishopthorpe. York.
Postcode: YO23 2RR Tel No: 01904 700663

DETAILS OF THE CLIENT

Contractor Reference Number (CRN): N/A.
Name: MR. DIXON
Address: 2 Hawthorne Mews Strensall. York.
Postcode: YO32 5RR Tel No:

DETAILS OF THE INSTALLATION

Occupier: Students
Address: 21 Herbert Street. York.
Postcode: Tel No:

PART 2 : DETAILS OF THE ELECTRICAL WORK COVERED BY THIS INSTALLATION CERTIFICATE

Date works completed: 6/8/2020.

The installation is –

New: ( )
An addition: ( )
An alteration: ( )
Replacement of a consumer unit: (✓)

Description and extent of the installation covered by this certificate:
Carry out a MAINS BOARD change + test of all circuits

Where necessary, continue on a separate numbered page: Page No(s) ( )

PART 3 : NEXT INSPECTION OF THE ELECTRICAL INSTALLATION

I RECOMMEND that this installation is further inspected and tested after an interval of not more than: 5 years/~~months~~ *(delete as appropriate)*

PART 4 : DECLARATION FOR THE ELECTRICAL INSTALLATION WORK

DESIGN, CONSTRUCTION, INSPECTION & TESTING

I, being the person responsible for the design, construction, inspection and testing of the electrical installation, particulars of which are described in PART 2, having exercised reasonable skill and care when carrying out the design and additionally where this certificate applies to an addition or alteration, having confirmed that the safety of the existing installation is not impaired, hereby CERTIFY that the design, construction, inspection and testing for which I have been responsible is to the best of my knowledge and belief in accordance with *BS 7671: 2018*, amended to N/A (date) except for the following departures, if any, identified N/A

N/A details on attached page(s) (N/A) (Regulations 120.3, 133.1.3 and 133.5). • Where selectivity is required, details of the verification appended (536.4): N/A Page No(s) (N/A)

Name (capitals): STEPHEN COOPER Signature: [signature] Date: 6/8/2020

REVIEWED BY QUALIFIED SUPERVISOR

Name (capitals): STEPHEN COOPER Signature: [signature] Date: 6/8/2025

**The proposed date for the next inspection should take into consideration any legislative or licensing requirements and the frequency and quality of maintenance that the installation can reasonably be expected to receive during its intended life. The period should be agreed between relevant parties.*

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Please see the 'Notes for Recipient'

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PART 5 : COMMENTS ON THE EXISTING INSTALLATION *(in the case of an addition or alteration see Regulation 644.1.2)*

~~None~~ Gromits missing to ko Boxes At Various Accessories

PART 6 : SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System type and earthing arrangements

TN-C-S: (✓) TN-S: (N/A) TT: (N/A)

Other *(state)*:

Supply protective device

(BS (EN) N/A)

Type: (N/A) Rated current: (N/A) A

Number and type of live conductors

AC 1-phase, 2-wire: (✓)

Other *(state)*: N/A

Confirmation of supply polarity: (✓)

Other sources of supply *(as detailed on attached schedule)* Page No:(N/A)

Nature of supply parameters

Nominal line voltage to Earth, U_0: (230) V

Nominal frequency, f: (50) Hz

Prospective fault current, I_{pf} [1]*: (1.53) kA

External loop impedance, Z_e [1]*: (0.18) Ω

[1] *By enquiry, measurement, or by calculation*

PART 7 : PARTICULARS OF INSTALLATION REFERRED TO IN THIS CERTIFICATE

Maximum demand (load): (60) A

Means of Earthing

Distributor's facility: (✓)

Installation earth electrode: (N/A)

Where an earth electrode is used insert

Type – rod(s), tape, etc: (N/A)

Location: (N/A)

Electrode resistance to Earth: (N/A) Ω

Main protective conductors

Earthing conductor:

(material Copper csa 16 mm²)

Connection / continuity verified: (✓)

Main protective bonding conductors:

(material Copper csa 10 mm²)

Connection / continuity verified: (✓)

Main protective bonding connections

Water installation pipes: (✓)

Gas installation pipes: (✓)

Structural steel: (N/A)

Oil installation pipes: (N/A)

Lightning protection: (N/A)

Other *(state)*: N/A

Main switch / Switch-fuse / Circuit-breaker / RCD

Type: (BS (EN) 60947/3)

Location: (MAIN DB / Bedroom 1 CUPBOARD)

No. of poles: (2) Rating / setting of device: (N/A) A

Current rating: (100) A Voltage rating: (240) V

Where an RCD is used as the main switch

RCD rated residual operating current, $I_{\Delta n}$: (N/A) mA

Measured operating time: (N/A) ms Rated time delay: (N/A) ms

PART 8 : SCHEDULES AND ADDITIONAL PAGES

Schedule of Inspections	Schedule of Circuit Details and Test Results for the installation	Additional pages, including data sheets for additional sources	Special installations or locations *(indicated in item 11.1 on page 4)*	Continuation sheets
Page No(s): (3 & 4)	Page No(s): (5)	Page No(s): (N/A)	Page No(s): (N/A)	Page No(s): (N/A)

The pages identified are an essential part of this certificate.

**Where the installation is supplied by more than one source, the higher or highest values of prospective fault current, I_{pf}, and external earth fault loop impedance, Z_e, must be recorded.*

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Original (to the person ordering the work)

PART 9 : SCHEDULE OF ITEMS INSPECTED

1. External condition of intake equipment (visual inspection only)

(If inadequacies are identified with the intake equipment, it is recommended 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:
a) Cutout fuse to meter (✓)
b) Meter to consumer unit (✓)
1.5 Metering equipment: (✓)
1.6 Isolator (where present): (N/A)

2. Presence of adequate arrangements for other 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 generating set operates in parallel with the public supply: (N/A)
2.3 Presence of alternative / additional supply warning notices: (N/A)

3. Automatic disconnection of supply

3.1 Presence and adequacy of earthing and protective bonding arrangements:
a) Installation earth electrode (where applicable) (N/A)
b) Earthing conductor and connections, including accessibility (✓)
c) Main protective bonding conductors and connections, including accessibility (✓)
d) Provision of safety electrical earthing/bonding labels at all appropriate locations (✓)
e) RCD(s) provided for fault protection (✓)

4. Basic protection

4.1 Presence and adequacy of measures to provide basic protection (prevention of contact with live parts) within the installation:
a) Insulation of live parts e.g. conductors completely covered with durable insulating material (✓)
b) Barriers or enclosures e.g. correct IP rating (✓)

5. Additional protection

5.1 Presence and effectiveness of additional protection methods:
a) RCD(s) not exceeding 30 mA operating current (✓)
b) Supplementary bonding (N/A)

6. Other methods of protection

6.1 Presence and effectiveness of methods which give both basic and fault protection:
a) SELV system including the source and associated circuits (N/A)
b) PELV system including the source and associated circuits (N/A)
c) Double or reinforced insulation i.e. Class II or equivalent equipment and associated circuits (N/A)
d) Electrical separation for one item of equipment e.g. shaver supply unit (N/A)

7. Consumer unit(s) / distribution board(s)

7.1 Adequacy of access and working space for items of electrical equipment including switchgear: (✓)
7.2 Components are suitable according to assembly manufacturer's instructions or literature: (✓)
7.3 Presence of linked main switch(es): (✓)
7.4 Isolators, for every circuit or group of circuits and all items of equipment: (✓)
7.5 Suitability of enclosure(s) for IP and fire ratings: (✓)
7.6 Protection against mechanical damage where cables enter equipment: (✓)
7.7 Confirmation that ALL conductor connections are correctly located in terminals and are tight and secure: (✓)
7.8 Avoidance of heating effects where cables enter ferromagnetic enclosures e.g. steel: (✓)
7.9 Selection of correct type and ratings of circuit protective devices for overcurrent and fault protection: (✓)
7.10 Confirmation overvoltage protection (SPDs) provided where specified: (✓)
7.11 Indication of SPDs continued functionality confirmed: (✓)
7.12 Adequacy of AFDD(s), where specified: (N/A)
7.13 Presence of appropriate circuit charts, warning and other notices:
a) Provision of circuit charts/schedules or equivalent forms of information (✓)
b) Warning notice of method of isolation where live parts not capable of being isolated by a single device (✓)
c) Periodic inspection and testing notice (✓)
d) Presence of RCD six-monthly notice, where required (✓)
e) Warning notice of non-standard (mixed) colours of conductors present (✓)
7.14 Presence of labels to indicate the purpose of switchgear and protective devices: (✓)

8. Circuits

8.1 Adequacy of conductors for current-carrying capacity with regard to type and nature of the installation: (✓)
8.2 Cable installation methods suitable for the location(s) and external influences: (✓)
8.3 Segregation/separation of Band I (ELV) and Band II (LV) circuits, and electrical and non-electrical services: (✓)
8.4 Cables correctly erected and supported throughout, with protection against abrasion: (LIM)
8.5 Provision of fire barriers, and sealing arrangements where necessary: (LIM)
8.6 Non-sheathed cables enclosed throughout in conduit, ducting or trunking: (N/A)
8.7 Conductors correctly identified by colour, lettering or numbering: (✓)
8.8 Presence, adequacy and correct termination of protective conductors: (✓)
8.9 Cables and conductors correctly connected, enclosed and with no undue mechanical strain: (✓)
8.10 No basic insulation of a conductor visible outside enclosure: (✓)
8.11 Single-pole devices for switching or protection in line conductors only: (✓)
8.12 Accessories not damaged, securely fixed, correctly connected, suitable for external influences: (✓)
8.13 Cables concealed under floors, above ceilings or in walls / partitions, adequately protected against damage: (LIM)

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PART 9 : SCHEDULE OF ITEMS INSPECTED

8.14 Cables installed in walls / partitions, installed in prescribed zones: (LIM)

8.15 Provision of additional protection by RCD not exceeding 30 mA:

a) For all socket-outlets with a rated current not exceeding 32 A (✓)

b) For supplies to mobile equipment with a current rating not exceeding 32 A for use outdoors (✓)

c) For cables concealed in walls/partitions at a depth of less than 50 mm (✓)

d) For cables concealed in walls/partitions containing metal parts regardless of depth (✓)

e) For circuits supplying luminaires within domestic (household) premises (✓)

8.16 Presence of appropriate devices for isolation and switching correctly located including:

a) Means of switching off for mechanical maintenance (✓)

b) Emergency switches (N/A)

c) Functional switches, for control of parts of the installation and current-using equipment (✓)

9. Current-using equipment (permanently connected)

9.1 Suitability of equipment in terms of IP and fire ratings: (✓)

9.2 Enclosure not damaged / deteriorated so as to impair safety: (✓)

9.3 Suitability for the environment and external influences: (✓)

9.4 Security of fixing: (✓)

9.5 Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire: (LIM)

9.6 Recessed luminaires (downlighters):

a) Correct type of lamps fitted (✓)

b) Installed to minimise build-up of heat (✓)

9.7 Adequacy of working space / accessibility to equipment: (✓)

10. Location(s) containing a bath or shower

10.1 Additional protection by RCD not exceeding 30 mA:

a) For low voltage circuits serving the location (✓)

b) For low voltage circuits passing through Zone 1 and/or Zone 2 not serving the location (✓)

10.2 Where used as a protective measure, requirements for SELV or PELV are met: (✓)

10.3 Shaver sockets comply with *BS EN 61558-2-5*: (✓)

10.4 Presence of supplementary protective equipotential bonding unless not required by *BS 7671: 2018*: (N/A)

10.5 Low voltage (e.g. 230 volts) socket-outlets sited at least 3 m from Zone 1: (✓)

10.6 Suitability of equipment for external influences for installed location in terms of IP rating: (✓)

10.7 Suitability of equipment for installation in a particular zone: (✓)

11. Other Part 7 special installations or locations

11.1 List below any other special installations or locations which are part of the installation to be verified, and confirm that the additional requirements given in the respective section of Part 7 are fulfilled:

NONE.

Details must be appended on a separate numbered page.

SCHEDULE OF ITEMS INSPECTED BY

Name (capitals): STEPHEN COOPER

Signature: [signature] Date: 6/8/2020.

Where the electrical work to which this certificate relates includes the installation of a fire detection / alarm system (or part of such a system), this electrical safety certificate should be accompanied by the particular certificate for the system.

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Original (to the person ordering the work)

PART 10 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing ① Surge unit ⑩ Smoke detectors

CODES for Type of wiring: (A) Thermoplastic insulated / sheathed cables; (B) Thermoplastic cables in metallic conduit; (C) Thermoplastic cables in non-metallic conduit; (D) Thermoplastic cables in metallic trunking; (E) Thermoplastic cables in non-metallic trunking; (F) Thermoplastic / SWA cables; (G) Thermosetting / SWA cables; (H) Mineral-insulated cables; (O) other - state:

Circuit number	Circuit description * Where this consumer unit is remote from the origin of the installation, record details of the circuit supplying this consumer unit on the first line.	Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa: Live (mm²)	Circuit conductor csa: cpc (mm²)	Max. disconnection time (BS 7671) (s)	Protective device: BS (EN)	Protective device: Type	Protective device: Rating (A)	Protective device: Short-circuit capacity (kA)	RCD: Operating current, $I_{\Delta n}$ (mA)	Maximum permitted Z_s for installed protective device** (Ω)	Circuit impedances (Ω): Ring final circuits only (measured end to end): (Line) r_1	Ring final circuits only: (Neutral) r_n	Ring final circuits only: (cpc) r_2	All circuits (complete at least one column): (R_1+R_2)	All circuits: R_2	Insulation resistance: Live / Live (MΩ)	Insulation resistance: Live / Earth (MΩ)	Insulation resistance: Test voltage DC (V)	Polarity (✓)	Max. measured earth fault loop impedance, Z_s (Ω)	RCD operating time (ms)	Test buttons: RCD (✓)	Test buttons: AFDD (✓)
1	Surge protection unit	A	C	1	6·0	6·0	0·4	60898	B	32	6	N/A	1·37	N/A	N/A	N/A	0·01	N/A	999	999	500	✓	0·19	N/A	N/A	N/A
2	Shower	A	C	1	6·0	6·0	0·4	60898	B	32	6	30	1·37	N/A	N/A	N/A	0·30	N/A	>100	>100	500	✓	0·48	34·1	✓	N/A
3	Sockets ground + 1st Floor	A	C	15	4/2·5	1·5	0·4	60898	B	20	6	30	2·19	N/A	N/A	N/A	0·59	N/A	>100	>100	500	✓	0·77	34·1	✓	N/A
4	2 Ring hob	A	C	1	2·5	1·5	0·4	60898	B	20	6	30	2·19	N/A	N/A	N/A	0·35	N/A	>100	>100	500	✓	0·53	34·1	✓	N/A
5	Oven + cooker hood	A	C	2	2·5	1·5	0·4	60898	B	20	6	30	2·19	N/A	N/A	N/A	0·35	N/A	>100	>100	500	✓	0·53	34·1	✓	N/A
6	This Room Sockets	A	C	2	2·5	1·5	0·4	60898	B	16	6	30	2·73	N/A	N/A	N/A	0·20	N/A	>100	>100	500	✓	0·38	34·1	✓	N/A
7	SPARE.																									
8	4 Ring HOB	A	C	1	6·0	2·5	0·4	60898	B	32	6	30	1·37	N/A	N/A	N/A	0·18	N/A	>100	>100	500	✓	0·36	59·9	✓	N/A
9	2nd floor Sockets	A	C	5	2·5	1·5	0·4	60898	B	32	6	30	1·37	0·51	0·51	0·84	0·31	N/A	>100	>100	500	✓	0·49	59·9	✓	N/A
10	Smoke detectors	A	C	10	1·0	1·0	0·4	60898	B	6	6	30	7·28	N/A	N/A	N/A	1·46	N/A	>100	>100	500	✓	1·64	59·9	✓	N/A
11	Lights	A	C	21	1·0	1·0	0·4	60898	B	6	6	30	7·28	N/A	N/A	N/A	1·34	N/A	>100	>100	500	✓	0·52	59·9	✓	N/A
12	SPARE.																									

Location of consumer unit: Front Bedroom CUPBOARD Designation: DB 1 Prospective fault current at consumer unit *(where applicable)*: (1·53) kA

TESTED BY

Name (capitals): STEPHEN COOPER Position: C.S. Signature: SCooper Date: 6/8/2020.

TEST INSTRUMENTS (enter serial number against each instrument used)

Multi-function: 1008124101576984 | Continuity: N/A | Insulation resistance: N/A | Earth fault loop impedance: N/A | Earth electrode resistance: N/A | RCD: N/A

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