

## PART 1 : DETAILS OF CONTRACTOR, CLIENT AND INSTALLATION

DETAILS OF THE CONTRACTOR	DETAILS OF THE CLIENT	DETAILS OF THE INSTALLATION
Registration no: <b>6113170</b> Branch No. <b>000</b> Trading title: <b>believe Housing</b> Address: <b>Coast House Spectrum 4 Spectrum Business Park Seaham</b> Post code: <b>SR7 7TT</b> Tel no.: <b>0300 1311999</b>	Contractor Reference Number: Name: <b>believe Housing</b> Address: <b>Coast House Spectrum 4 Spectrum Business Park Seaham</b> Post code: <b>SR7 7TT</b> Tel no.: <b>0300 1311999</b>	UPRN: <b>3ROBI1_EXT_COM</b> Occupier: Address: <b>External and Communal Block 1 - 27 Robinson House Horden Peterlee</b> Post code: <b>SR8 4DD</b> Tel no.:

## PART 2 : PURPOSE OF THE REPORT

Purpose for which this report is required	<b>Periodic Inspection</b>			
Date when inspection and testing was carried out	<b>03/08/2023</b>	Records of previous inspection available (651.1)? Yes	Available from	<b>Office</b>
			Previous report date	<b>01/01/2019</b>

## PART 3 : SUMMARY OF THE CONDITION OF THE INSTALLATION

General condition of the installation (in terms of electrical safety)	<b>The installation is safe for continued use. All accessories appear to be in good condition. Existing C.U. in good condition. Meter tails and isolator switch appear to be in good order - no sign of overheating. Earthing / Bonding in good condition.; New wiring colours (10 years); Consumer unit in good condition;</b>			
Description of premises	<b>Domestic</b>			
Estimated age of electrical installation	<b>15yrs</b>	Evidence of additions or alterations	<b>Yes</b>	If Yes, estimated age
			<b>10 yrs</b>	Estimated age of the wiring system
			<b>15 yrs</b>	
Overall assessment of the installation in terms of its suitability for continued use	<b>SATISFACTORY*</b>			with C3 recommendations

\* Observation classified as 'Improvement recommended (code C3)' (see PART 6) should be considered

## PART 4 : DECLARATION

### INSPECTION AND TESTING

I, being the person responsible for the inspection and testing of the electrical installation (as indicated by my signature below), particulars of which are described in PART 6, having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations (PART 5) and the attached Schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent and limitations in PART 6 of this report

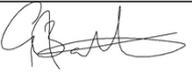
Name	<b>Mark Stewart</b>	Signature	
On behalf of the contractor identified in PART 1	Electrician	Date	<b>03/08/2023</b>

I further RECOMMEND, subject to the necessary remedial action being taken, that the installation is inspected and tested by **03/08/2028** (5 Years)

Reason for recommendation	<b>Engineer judgement</b>
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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.

### REVIEWED BY THE REGISTERED QUALIFIED SUPERVISOR FOR THE CONTRACTOR

Name	<b>Gary Barnfather</b>	Signature	
On behalf of the contractor identified in PART 1	Qualifying Supervisor	Date	<b>21/11/2023</b>

## PART 5 : OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

CODES:	One of the following codes, as appropriate, has been allocated to each of the observations made below to indicate to the person(s) responsible for the electrical 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 F1 'Further investigation required'
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Referring to the Schedule of Items Inspected (see PART 9), and the attached Schedule of Circuit Details and Test Results (see PART 11), and subject to the limitations specified in PART 6:

**The following observations and recommendations for action are made**

ITEM	OBSERVATION(S)	COMMENTS/LOCATION REFERENCE	CODE	COMPLETED
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### General Observations

1	Earth fault loop measurement outside max permitted Zs. See circuit details for further information		C3	
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## PART 6 : DETAILS AND LIMITATIONS OF INSPECTION AND TESTING

The inspection and testing has been carried out in accordance with BS7671:2018, as amended to 2022 Amendment 2. Cables concealed within trunking 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 the Inspector prior to the inspection.

Details of the installation covered by this report

**Full electrical system.; Communal Stairway. All fixed power and lighting.; Community Centre. All fixed power and lighting.; Full test**

Agreed limitations including the reasons, if any, on the inspection and testing (653.2)

**Cables accessible from loft hatch have been visually inspected. Polarity confirmed at all accessible socket outlets. Insulation resistance tested line/neutral to earth only. No removal of white goods, test conducted at closest accessible point and earth continuity proven at equipment.;**

Agreed with

**Mark Fort - Electrical Manager**

Extent of sampling

**Detailed inspection/dismantling of one item per circuit per room or location.**

Operational limitations including the reasons

**Zs calculated from  $Z_s = Z_e + (R_1 + R_2)$ ;**

## PART 7 : SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

### System type and earthing arrangements

**TN-C-S**

### Supply protective device

BS(EN) **Sealed**

Type **Sealed**

Rated current **Sealed** A

### Number and type of live conductors

**AC 3-Phase 4 wire**

Primary Supply Conductor Material **Copper**

Primary Supply Conductor CSA **25** mm<sup>2</sup>

Confirmation of supply polarity

Other sources of supply (Schedule of Test Results) **.**

### Nature of Supply Parameters

Nominal line voltage U<sup>[1]</sup> **N/A** V

Nominal line voltage to Earth (U<sub>0</sub>)<sup>[1]</sup> **230v** V

Nominal frequency (f)<sup>[1]</sup> **50** Hz

Prospective fault current (I<sub>pf</sub>)<sup>[2]</sup> **0.766** kA

External loop impedance (Z<sub>e</sub>)<sup>[2]</sup> **0.34** Ω

<sup>[1]</sup> By enquiry

<sup>[2]</sup> By enquiry or by measurement

## PART 8 : PARTICULARS OF THE INSTALLATION REFERRED TO IN THE REPORT

### Means of Earthing

**Distributors facility**

Where an earth electrode is used:  
Type (e.g. Rod(s), Tapes etc.) **N/A**

Location **N/A**

Method of measurement **N/A**

Electrode resistance to Earth **N/A** Ω

Other

Number of smoke alarms **0**

Location Type Expiry

### Main protective conductors

Earthing conductor:  
Conductor material **Copper**

csa **25** mm<sup>2</sup>

Connection/continuity verified

**No sign of thermal damage**

Main protective bonding conductors:  
Conductor material **Copper**

csa **16** mm<sup>2</sup>

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**

District heating **N/A**

Other incoming services: **N/A**

**N/A**

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

Type BS(EN) **60947-3**

Location **Switch room**

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

Current rating (A) **250** Voltage rating (V) **400 v**

Conductor CSA **25** mm<sup>2</sup>

**Where an RCD is used as the main switch:**

RCD rated residual operating current (I<sub>Δn</sub>) **N/A mA**

Measured operating time **N/A ms**

Rated time delay **N/A ms**

## PART 9 : SCHEDULE OF ITEMS INSPECTED

OUTCOMES	Acceptable condition	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Not verified	N/V	Limitation	LIM	Not applicable	N/A	Further investigation required	FI	
ITEM NO	DESCRIPTION												OUTCOME	Comments/Location reference
1.0	<b>INTAKE EQUIPMENT (visual inspection only)</b>													
	<i>An outcome against an item in section 1.1, other than access to live parts, should not be used to determine the overall assessment of the installation.</i>													
	<i>Where inadequacies are identified, the person ordering the report or the duty holder must be informed and it is highly recommended that the person ordering the report informs the appropriate authority</i>													
	<i>For this section only, where inadequacies are found, and 'X' should be selected. An observation will be added.</i>													
1.1	<b>Distributor / supplier intake equipment</b>													
	a) Service cable												√	
	b) Service head												√	
	c) Earthing arrangements												√	
	e) Meter tails												√	
	f) Metering equipment												√	
	g) Isolator (where present)												N/A	
	<i>NOTE: Where inadequacies in the intake equipment are encountered, which may result in a dangerous or potentially dangerous situation, the person ordering the work and/or duty holder must be informed. It is strongly recommended that the person ordering the work informs the appropriate authority.</i>													
	Person ordering work/duty holder notified (select √ or N/A)												N/A	
1.2	Consumer's isolator (where present)												√	
1.3	Consumer's meter tails												√	
2.0	<b>PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES SUCH AS MICROGENERATORS (551.6; 551.7)</b>													
2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)												N/A	

2.2	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)	N/A	
3.0	<b>METHODS OF PROTECTION</b>		
3.1	<b>Automatic disconnection of supply (ADS)</b>		
	a) Main earthing / bonding arrangement (411.3; Chap. 54)	√	
	b) Presence of distributor's earthing arrangement (542.1.2.1; 542.1.2.2), or presence of installation earth electrode arrangement (542.1.2.3)	√	
	c) Adequacy of earthing conductor size (542.3; 543.1.1)	√	
	d) Adequacy of earthing conductor connections (542.3.2)	√	
	e) Accessibility of earthing conductor connections (543.3.2)	√	
	f) Adequacy of main protective bonding conductor sizes (544.1.1)	√	
	g) Adequacy and location of main protective bonding conductor connections (544.1.2)	√	
	h) Accessibility of all protective bonding connections (543.3.2)	√	
	i) Provision of earthing / bonding labels at all appropriate locations (514.13.1)	√	
3.2	FELV - requirements satisfied (411.7)	N/A	
3.3	Other methods of protection	N/A	
	<i>Where any of the methods listed below are employed, details should be provided in the comments</i>		
	a) Non-conducting location (418.1)	N/A	
	b) Earth-free local equipotential bonding (418.2)	N/A	
	c) Electrical separation (413; 418.3)	N/A	
	d) Double insulation (412)	N/A	
	e) Reinforced insulation (412)	N/A	
	f) Provisions where automatic disconnection of supply is not feasible (419)	N/A	
4.0	<b>DISTRIBUTION EQUIPMENT, INCLUDING CONSUMER UNITS AND DISTRIBUTION BOARDS</b>		
4.1	Adequacy of working space/accessibility to consumer unit/distribution board (132.12; 513.1)	√	
4.2	Security of fixing (134.1.1)	√	
4.3	Condition of insulation of live parts (416.1)	√	
4.4	Adequacy security of barriers or enclosures (416.2.3)	√	
4.5	Condition of enclosure(s) in terms of IP rating etc (416.2)	√	
4.6	Condition of enclosure(s) in terms of fire rating etc (421.1.201; 526.5)	√	
4.7	Enclosure not damaged/deteriorated so as to impair safety (651.2)	√	
4.8	Presence and effectiveness of obstacles (417.2)	N/A	
4.9	Presence of main linked switch(es) where required (462.1, 462.1.201, 462.2)	√	
4.10	Operation of main switch(es) (functional check) (643.10)	√	
4.11	Manual operation of circuit-breakers, RCDs and AFDDs to prove disconnection/functionality (643.10)	√	
4.12	Confirmation that integral test button / switch causes RCD(s) to trip when operated (functional check) (643.10)	√	
4.13	RCD(s) provided for fault protection - includes RCBOs (411.4.204; 411.4.5; 411.5.2; 531.2)	N/A	
4.14	RCD(s) provided for additional protection / requirements, where required - includes RCBOs (411.3.3; 415.1)	√	
4.15	Presence of RCD six-monthly test notice, where required (514.12.2)	√	
4.16	Confirmation that integral test button / switch, where present, causes AFDD to trip when operated (643.10)	N/A	
4.17	Presence of diagrams, charts or schedules at or near equipment, where required (514.9.1)	√	
4.18	Presence of alternative supply warning notice at or near equipment, where required (514.15)	N/A	
4.19	Presence of next inspection recommendation label, where required (514.12.1)	√	
4.20	Presence of other required labelling (please specify) (514)	N/A	
4.21	Compatibility of protective devices, bases and other components; correct type and rating (no signs of unacceptable thermal damage, arcing or overheating) (432; 433; 434)	√	
4.22	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)	√	
4.23	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.5; 522.8.11)	√	
4.24	Protection against electromagnetic effects where cables enter ferromagnetic enclosures (521.5.1)	√	
4.25	Torque test of all connections carried out	√	
5.0	<b>DISTRIBUTION / FINAL CIRCUITS</b>		
5.1	Identification of conductors (514.3)	√	
5.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)	√	
5.3	Condition of insulation of live parts (416.1)	√	
5.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)	N/A	
5.5	Suitability of containment systems for continued use (including flexible conduit) (522)	√	
5.6	Cables correctly terminated in enclosures (526)	√	

5.7	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)	✓	
5.8	Examination of cables for signs of unacceptable thermal or mechanical damage / deterioration (421.1; 522.6)	✓	
5.9	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (523)	✓	
5.10	Adequacy of protective devices; type and rated current for fault protection (411.3)	✓	
5.11	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)	✓	
5.12	Coordination between conductors and overload protective devices (433.1; 533.2.1)	✓	
5.13	Cable installation methods / practices with regard to the type and nature of installation and external influences (522)	✓	
5.14	Where exposed to direct sunlight, cable of a suitable type (522.11.1)	N/A	
5.15	<b>Cables concealed under floors, above ceilings, in walls / partitions, adequately protected against damage (522.6.201; 522.6.202; 522.6.203; 522.6.204)</b>		
	a) Installed in prescribed zones (see Section D. Extent and limitations) (522.6.202)	LIM	
	b) Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like (see Section D) (522.6.201; 522.6.204)	LIM	
5.16	Provision of fire barriers, sealing arrangements and protection against thermal effects (527)	✓	
5.17	Band II cables segregated / separated from Band I cables (528.1)	LIM	
5.18	Cables segregated / separated from non-electrical services (528.3)	✓	
5.19	Condition of circuit accessories (651.2)	✓	
5.20	Suitability of circuit accessories for external influences (512.2)	✓	
5.21	Single-pole switching or protective devices in line conductors only(132.14.1; 530.3.3)	✓	
5.22	Adequacy of connections, including cpcs, within accessories and to fixed and stationary equipment - identify / record numbers and locations of items inspected (526)	✓	
5.23	Presence, operation and correct location of appropriate devices for isolation and switching (Chap. 46; 537)	✓	
5.24	General condition of wiring system (651.2)	✓	
5.25	Temperature rating of cable insulation (522.1.1; Table 52.1)	✓	
6.0	<b>FINAL CIRCUITS</b>		
6.1	Identification of conductors (514.3)	✓	
6.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)	✓	
6.3	Condition of insulation of live parts (416.1)	✓	
6.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)	N/A	
6.5	Suitability of containment systems for continued use (including flexible conduit) (522)	✓	
6.6	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (523)	✓	
6.7	Adequacy of protective devices; type and rated current for fault protection (411.3)	✓	
6.8	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)	✓	
6.9	Co-ordination between conductors and overload protective devices (433.1; 533.2.1)	✓	
6.10	Wiring system(s) appropriate for the type and nature of the installation and external influences (522)	✓	
6.11	Where exposed to direct sunlight, cable of a suitable type (522.11.1)	N/A	
6.12	<b>Cables concealed under floors, above ceilings, in walls / partitions, adequately protected against damage (522.6.201; 522.6.202; 522.6.203; 522.6.204) -</b>		
	a) Installed in prescribed zones (see Section D. Extent and limitations) (522.6.202)	LIM	
	b) Incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like (see Section D) (522.6.201; 522.6.204)	LIM	
6.13	<b>Provision of additional protection by RCD having rated residual operating current not exceeding 30 mA -</b>		
	a) *For all socket-outlets of rating 32 A or less (411.3.3)	✓	
	b) *For the supply of mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)	✓	
	c) *For cables concealed in walls at a depth of less than 50 mm (522.6.202)	✓	
	d) *For cables concealed in walls / partitions containing metal parts regardless of depth (522.6.203)	✓	
	e) *For final circuits supplying luminaires within domestic (household) premises (411.3.4)	✓	
	* Older installations designed prior to BS 7671: 2018 may not have required RCDs for additional protection.		

6.14	Provision of fire barriers, sealing arrangements and protection against thermal effects (527)	✓	
6.15	Band II cables segregated / separated from Band I cables (528.1)	LIM	
6.16	Cables segregated / separated from non-electrical services (528.3)	✓	
6.17	<b>Termination of cables at enclosures - identify / record numbers and locations of items inspected (526) -</b>		
	a) Connection under no undue strain (526.6)	✓	
	b) No basic insulation of a conductor visible outside enclosure (526.8)	✓	
	c) Connections of live conductors adequately enclosed (526.5)	✓	
	d) Adequately connected at point of entry to enclosure (glands, bushes, etc.)(522.8.5)	✓	
6.18	Condition of accessories including socket-outlets, switches and joint boxes (651.2)	✓	
6.19	Suitability of accessories for external influences (512.2)	✓	
6.20	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.3)	✓	
7.0	<b>ISOLATION AND SWITCHING</b>		
7.1	<b>Isolators -</b>		
	a) Presence and condition of appropriate devices (462; 537.2)	✓	
	b) Acceptable location - state if local or remote from equipment in question(462; 537.2.7)	✓	
	c) Capable of being secured in the OFF position (462.3)	✓	
	d) Correct operation verified (643.10)	✓	
	e) Clearly identified by position and / or durable marking (537.2.7)	✓	
	f) Warning label posted in situations where live parts cannot be isolated by the operation of a single device (514.11.1; 537.1.2)	✓	
7.2	<b>Switching off for mechanical maintenance -</b>		
	a) Presence and condition of appropriate devices (464.1; 537.3.2)	✓	
	b) Capable of being secured in the OFF position where not under continuous supervision (464.2)	✓	
	c) Correct operation verified (643.10)	✓	
	d) Clearly identified by position and / or durable marking (537.3.2.4)	✓	
7.3	<b>Emergency switching off -</b>		
	a) Presence and condition of appropriate devices (465; 537.3.3; 537.4)	✓	
	b) Readily accessible for operation where danger might occur (537.3.3.6)	✓	
	c) Correct operation verified (643.10)	✓	
	d) Clearly identified by position and / or durable marking (537.3.3.5; 537.3.3.6; 537.4.3; 537.4.4)	✓	
7.4	<b>Functional switching -</b>		
	a) Presence and condition of appropriate devices (537.3.1.1; 537.3.1.2)	✓	
	b) Correct operation verified (643.10)	✓	
8.0	<b>CURRENT-USING EQUIPMENT (permanently connected)</b>		
8.1	Condition of equipment in terms of IP rating (416.2; 422.3; 422.4; 522.4)	✓	
8.2	Equipment does not constitute a fire hazard (421)	✓	
8.3	Enclosure not damaged/deteriorated so as to impair safety 134.1.1; 416.2)	✓	
8.4	Suitability for the environment and external influences (512.2)	✓	
8.5	Security of fixing 134.1.1)	✓	
8.6	Cable entry holes in ceiling above luminaires sized or sealed so as to restrict spread of fire - list number and location of luminaires inspected in comments (527.2)	✓	
8.7	<b>Recessed luminaires (downlighters)</b>		
	a) Correct type of lamps fitted (559.3.1)	N/A	
	b) Installed to minimize the build-up of heat (421.1.2)	N/A	
	c) No sign of overheating to surrounding building fabric (559.4.1)	N/A	
	d) No signs of overheating to conductors/terminations (526.1)	N/A	
9.0	<b>PART 7 SPECIAL INSTALLATIONS OR LOCATIONS</b>		
	<i>Where special installations or locations relating to a particular Section of Part 7, an additional Inspection Schedule(s) should be provided on separate pages</i>		
9.1	<b>Location(s) containing a bath or shower -</b>		
	a) Additional protection by RCD having rated residual operating current not exceeding 30 mA for all low voltage (LV) circuits serving the location or passing through zones 1 and / or 2 of the location (701.414)	✓	
	b) Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)	✓	
	c) Shaver supply units complying with BS EN 61558-2-5 formerly BS 3535 (701.512.3)	N/A	
	d) Presence of supplementary bonding conductors, unless not required by BS 7671: 2018 (701.415.2)	N/A	
	e) Low voltage (e.g. 230 volt) socket-outlets sited at least 3m from zone 1	N/A	
	f) Suitability of equipment for external influences for the installed location in terms of IP rating	✓	
	g) Suitability of accessories and control gear etc. for a particular zone (701.512.3)	✓	
	h) Suitability of current-using equipment for particular position within the location (701.55)	✓	

9.2	<b>Other special installations or locations -</b> <i>The inspector should add details of special locations here</i>		
10.0	<b>PROSUMER'S LOW VOLTAGE ELECTRICAL INSTALLATION(S)</b> <i>Where elements of a prosuming installation falling within the scope of Chapter 82 are covered by the report, additional schedules detailing the associated inspection and testing should be provided below.</i>		
10.1	Solar PV Panels	N/A	
10.2	Wind turbine	N/A	
10.3	Electric Vehicle	N/A	

Inspected by	Mark Stewart	Signature	
	Date		

**PART 10 : SCHEDULES AND ADDITIONAL PAGES**

**Schedule of additional records**

The attached schedules are part of this document and this report is only valid when they are attached to it. Schedule of items inspected (PART 9) & Schedule of circuit details and test results (PART 11) are attached. This document consists of 13 pages.

**GENERAL PHOTOGRAPHS**

	Description	Image
1	Fire alarm	

**METER PHOTOGRAPHS**

Description	Image
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## PART 11 : SCHEDULE OF CIRCUIT DETAILS and RESULTS

### CONSUMER UNIT / DISTRIBUTION BOARD DETAILS

Designation of consumer unit/DB	DB1
Location of consumer unit/DB	Switch room
Manufacturer	Crabtree
Comment about condition of DB	Good, metal

Zs at DB (Ω)	0.34
Prospective fault current at DB (kA)	0.766
SPD Details BS(EN)	N/A
Type	N/A
Status indicator checked (where functionality indicator is present):	N/A

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

PCB to boiler; Central heating programmers; Electronic equipment; RCBO's;

CODES for type of wiring			(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(O)																				
			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																					
Circuit	Description	Type	Type of wiring (see code)	Reference method (BS/671)	Points served	Live (mm <sup>2</sup> )	CPC (mm <sup>2</sup> )	Max disconnection time permitted by BS7671 (s)	PROTECTIVE DEVICE				CONTINUITY (Ω)					INSULATION RESISTANCE			Polarity	Maximum measured earth fault loop impedance Zs (Ω)	RCD					AFDD			
									BS (EN)	Type	Rating (A)	Short circuit capacity (KA)	Maximum Zs permitted by BS7671	RING FINAL CIRCUITS ONLY Measured end to end			ALL CIRCUITS (Complete at least one column)		Live/Live (MΩ)	Live/Earth (MΩ)			Test voltage DC	BS(EN)	Type	RCD OPERATING CURRENT I <sub>Δn</sub>	Rating (A)		Operating Time (t <sub>Δn</sub> ) (ms)	Test Button	Test Button
Circuit types: D = Distribution Circuit, F = Final Circuit, R = RCD, M = Main Switch			* CSA of CPC: Cn = Conduit, Ar = Armour, Tr = Trunking, Sh = Sheath, Sb = Split Barrel						BS (EN)	Type	Rating (A)	Short circuit capacity (KA)	Maximum Zs permitted by BS7671	r 1	r n	R2	R1 + R2	R2	Live/Live (MΩ)	Live/Earth (MΩ)	Test voltage DC	Polarity	Maximum measured earth fault loop impedance Zs (Ω)	BS(EN)	Type	RCD OPERATING CURRENT I <sub>Δn</sub>	Rating (A)	Operating Time (t <sub>Δn</sub> ) (ms)	Test Button	Test Button	
1L1	Spare way	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1L2	Spare way	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
1L3	Spare way	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2L1	Fire Alarm System	F	H	C	1	1.5	MI CC	0.4	60898	B	16	10	2.73	N/A	N/A	N/A	0.44	N/A	LIM	>200	250	√	0.78	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2L2	Upstairs communal DB	D	F	E	1	25	16	5.0	60898	B	63	10	0.69	N/A	N/A	N/A	0.01	N/A	LIM	>200	250	√	0.35	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
2L3	Downstairs communal DB	D	F	E	1	25	16	5.0	60898	B	63	10	0.69	N/A	N/A	N/A	0.05	N/A	LIM	>200	250	√	0.39	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
3TP	Lift supply	D	F	E	1	16	16	5.0	60898	C	63	10	0.35	N/A	N/A	N/A	0.01	N/A	LIM	>200	250	√	0.35	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
4L1	Spare way	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
4L2	Spare way	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
4L3	Spare way	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
5TP	Boiler room DB	D	F	E	1	16	16	5.0	60898	C	63	10	0.35	N/A	N/A	N/A	Lim	N/A	LIM	>200	250	√	Lim	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
6TP	Laundry and kitchen DB	D	F	E	1	16	16	5.0	60898	C	63	10	0.35	N/A	N/A	N/A	0.01	N/A	LIM	>200	250	√	0.35	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Circuit 5TP - Boiler room DB - Remarks No access to boiler room

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

TEST INSTRUMENT (SERIAL NUMBERS) USED	CONTINUITY	INSULATION RESISTANCE	EARTH ELECTRODE RESISTANCE	EARTH FAULT LOOP IMPEDANCE	RCD
101882770	N/A	N/A	N/A	N/A	N/A

**TESTED BY**

Signature: 

Name: **Mark Stewart**

Position: **Electrician**

Date of testing: **03/08/2023**

## PART 11 : SCHEDULE OF CIRCUIT DETAILS and RESULTS

### CONSUMER UNIT / DISTRIBUTION BOARD DETAILS

Designation of consumer unit/DB: **Upstairs communal DB**

Location of consumer unit/DB: **Switch**

Manufacturer: **Square D**

Comment about condition of DB: **Good, metal**

Zs at DB (Ω): **0.35**

Prospective fault current at DB (kA): **0.71**

SPD Details BS(EN): **N/A** Type: **N/A**

Status indicator checked (where functionality indicator is present): **N/A**

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

**Electronic equipment; RCBO's; Emergency lights**

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)
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Circuit	Circuit Description	Type	Type of wiring (see code)	Reference method (BS7671)	Points served	Live (mm <sup>2</sup> )	CPC (mm <sup>2</sup> )	Max disconnection time permitted by BS7671 (s)	PROTECTIVE DEVICE					CONTINUITY (Ω)					INSULATION RESISTANCE			Polarity	Maximum measured earth fault loop impedance Zs (Ω)	RCD					AFDD		
									BS (EN)	Type	Rating (A)	Short circuit capacity (kA)	Maximum Zs permitted by BS7671	RING FINAL CIRCUITS ONLY Measured end to end			ALL CIRCUITS (Complete at least one column)		Live/Live (MΩ)	Live/Earth (MΩ)	Test voltage DC			BS(EN)	Type	RCD OPERATING CURRENT I <sub>Δn</sub>	Rating (A)	Operating Time (t <sub>Δn</sub> ) (ms)		Test Button	Test Button
														r1	r <sub>n</sub>	R2	R1 + R2	R2													
1	Shower	F	A	B	1	6	2.5	0.4	61009	C	32	10	0.68	N/A	N/A	N/A	0.20	N/A	LIM	>200	250	√	0.37	61009	A/C	30	32	28	√	N/A	
2	Cleaners corridor sockets	F	A	B	4	2.5	1.5	0.4	61009	C	32	10	0.68	0.44	0.44	0.74	0.30	N/A	LIM	>200	250	√	0.65	61009	A/C	30	32	45.3	√	N/A	
3	Guest room, Lounge, TV corridor	F	A	B	12	2.5	1.5	0.4	61009	C	32	10	0.68	0.53	0.53	0.89	0.36	N/A	LIM	>200	250	√	0.71	61009	A/C	30	32	49	√	N/A	
4	Left corridor lights	F	A	B	17	1.5	1	0.4	61009	C	10	10	2.19	N/A	N/A	N/A	1.01	N/A	LIM	>200	250	√	1.36	61009	A/C	30	10	34.4	√	N/A	
5	Guest room, lounge, Store room left	F	A	B	7	1.5	1	0.4	61009	C	10	10	2.19	N/A	N/A	N/A	0.87	N/A	LIM	>200	250	√	1.21	61009	A/C	30	10	32	√	N/A	

6	Middle corridor	F	A	B	9	1.5	1	0.4	61009	B	10	10	4.37	N/A	N/A	N/A	0.78	N/A	LIM	>200	250	√	1.12	61009	A/C	30	10	44.2	√	N/A
7	Far stairs right plus 2 roomd	F	A	B	8	1.5	1	0.4	61009	C	10	10	2.19	N/A	N/A	N/A	1.e1	N/A	LIM	>200	250	√	1.66	61009	A/C	30	10	36.3	√	N/A
8	Main corridor right	F	A	B	16	1.5	1	0.4	61009	B	10	10	4.37	N/A	N/A	N/A	1.24	N/A	LIM	>200	250	√	1.59	61009	A/C	30	10	42	√	N/A
9	Middle stairs right	F	A	B	6	1.5	1	0.4	61009	B	10	10	4.37	N/A	N/A	N/A	1.34	N/A	LIM	>200	250	√	1.69	61009	A/C	30	10	34.3	√	N/A
10	Back stairs left	F	A	B	6	1.5	1	0.4	61009	B	10	10	4.37	N/A	N/A	N/A	1.54	N/A	LIM	>200	250	√	1.89	61009	A/C	30	10	49.9	√	N/A
11	Shower room and stairs	F	A	B	7	1.5	1	0.4	61009	C	10	10	2.19	N/A	N/A	N/A	0.61	N/A	LIM	>200	250	√	0.96	61009	A/C	30	10	47.2	√	N/A
12	Spare way	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
13	Spare way	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
14	Spare way	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
15	Spare way	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						
16	Spare way	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A						

Circuit 3 - Guest room, Lounge, TV corridor - Remarks  
 MAXIMUM MEASUREAD EARTH FAULT LOOP IMPEDANCE: Max permitted:0.68, Measured 0.71. Value is outside of tolerance

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

Supply to this board is from

Db1

Overcurrent protective device for the distribution circuit

BS EN 60898

Type C

Nominal voltage (V) 230V

Rating 63

No of phases 3

Associated RCD (if any)

BS EN N/A

Type N/A

No of poles N/A

Operating current at I<sub>Δn</sub> N/A

Operating time (ms) N/A

Characteristics at this DB

Confirmation of supply polarity

Phase sequence confirmed (where appropriate)

Zs 0.35

Prospective fault current at DB I<sub>pf</sub> 0.71

**TEST INSTRUMENT (SERIAL NUMBERS) USED**

MULTI-FUNCTION

CONTINUITY

INSULATION RESISTANCE

EARTH ELECTRODE RESISTANCE

EARTH FAULT LOOP IMPEDANCE

RCD

101882770

N/A

N/A

N/A

N/A

N/A

**TESTED BY**

Signature



Name **Mark Stewart**

Position **Electrician**

Date of testing **03/08/2023**

## PART 11 : SCHEDULE OF CIRCUIT DETAILS and RESULTS

### CONSUMER UNIT / DISTRIBUTION BOARD DETAILS

Designation of consumer unit/DB:

Location of consumer unit/DB:

Manufacturer:

Comment about condition of DB:

Zs at DB (Ω):

Prospective fault current at DB (kA):

SPD Details BS(EN):  Type:

Status indicator checked (where functionality indicator is present):

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

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)
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Circuit	Circuit Description	Type	Type of wiring (see code)	Reference method (BS7671)	Points served	Live (mm <sup>2</sup> )	CPC (mm <sup>2</sup> )	Max disconnection time permitted by BS7671 (s)	PROTECTIVE DEVICE				CONTINUITY (Ω)				INSULATION RESISTANCE			Polarity	Maximum measured earth fault loop impedance Zs (Ω)	RCD					AfEDD				
									BS (EN)	Type	Rating (A)	Short circuit capacity (kA)	Maximum Zs permitted by BS7671	RING FINAL CIRCUITS ONLY Measured end to end			ALL CIRCUITS (Complete at least one column)		Live/Live (MΩ)			Live/Earth (MΩ)	Test voltage DC	BS(EN)	Type	RCD OPERATING CURRENT I <sub>Δn</sub>		Rating (A)	Operating Time (s)(ms)	Test Button	Test Button
														r1	r n	R2	R1 + R2	R2													
1	Car park lights	F	H	C	6	1.5	Mic <sub>c</sub>	0.4	61009	C	6	6	3.64	N/A	N/A	N/A	2.02	N/A	LIM	>200	250	√	2.40	61009	A/C	30	6	21.1	√	N/A	
2	Lift shaft lights	F	G	F	Lim	1.5	1.5	0.4	61009	C	6	6	3.64	N/A	N/A	N/A	Lim	N/A	LIM	>200	250	√	Lim	61009	A/C	30	6	33.7	√	N/A	
3	Sockets	F	A	C	2	2.5	1.5	0.4	61009	C	16	6	1.37	N/A	N/A	N/A	0.15	N/A	LIM	>200	250	√	0.50	61009	A/C	30	16	28.8	√	N/A	
4	Lighting	F	A	C	2	1.5	1	0.4	60898	B	6	6	7.28	N/A	N/A	N/A	0.30	N/A	LIM	>200	250	√	0.65	N/A	N/A		N/A	N/A	N/A	N/A	
5	Spare way	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	

Circuit 2 - Lift shaft lights - Remarks Could not access lift shaft

### TO BE COMPLETED ONLY IF THE BOARD IS NOT CONNECTED TO THE ORIGIN OF THE INSTALLATION

Supply to this board is from:

Overcurrent protective device for the distribution circuit: BS EN  Type  Nominal voltage (V)  Rating  No of phases

Associated RCD (if any): BS EN  Type  No of poles  Operating current at I<sub>Δn</sub>  Operating time (ms)

Characteristics at this DB: Confirmation of supply polarity  Phase sequence confirmed (where appropriate)  Zs  Prospective fault current at DB Ipf

TEST INSTRUMENT (SERIAL NUMBERS) USED	MULTI-FUNCTION	CONTINUITY	INSULATION RESISTANCE	EARTH ELECTRODE RESISTANCE	EARTH FAULT LOOP IMPEDANCE	RCD
	<input type="text" value="101882770"/>	<input type="text" value="N/A"/>				

**TESTED BY**

Signature



Name **Mark Stewart**

Position **Electrician**

Date of testing **03/08/2023**

## GUIDANCE FOR RECIPIENTS

**This Report is an important and valuable document which should be retained for future reference.**

1. The purpose of this Report is to confirm, as far as reasonably practicable, whether or not the electrical installation is in a satisfactory condition for continued service (see PART 3). The Report should identify any damage, deterioration, defects and/or conditions which may give rise to danger (see PART 9).
2. This Report is only valid if accompanied by the Inspection Schedule(s) and the Schedule(s) of Circuit Details and Test Results.
3. The person ordering the Report should have received the 'original' Report and the inspector should have retained a duplicate.
4. The 'original' Report should be retained in a safe place and be made available to any person inspecting or undertaking work on the electrical installation in the future. If the property is vacated, this Report will provide the new owner/occupier with details of the condition of the electrical installation at the time the Report was issued.
5. PART 6 (Extent and Limitations) should identify fully the extent of the installation covered by this Report and any limitations on the inspection and testing. The inspector should have agreed these aspects with the person ordering the Report and with other interested parties (licensing authority, insurance company, mortgage provider and the like) before the inspection was carried out.
6. Some operational limitations such as inability to gain access to parts of the installation or an item of equipment may have been encountered during the inspection. The inspector should have noted these in PART 6.
7. For items classified in PART 9 as C1 ('Danger present') the safety of those using the installation is at risk, and it is recommended that a skilled person or persons competent in electrical installation work undertakes the necessary remedial work immediately.
8. For items classified in PART 9 as C2 ('Potentially dangerous') the safety of those using the installation may be at risk and it is recommended that a skilled person or persons competent in electrical installation work undertakes the necessary remedial work as a matter of urgency.
9. Where it has been stated in PART 9 that an observation requires further investigation (code FI) the inspection has revealed an apparent deficiency which may result in a code C1 or C2, and could not, due to the extent or limitations of the inspection, be fully identified. Such observations should be investigated without delay. A further examination of the installation will be necessary, to determine the nature and extent of the apparent deficiency (see PART 6).
10. For safety reasons, the electrical installation should be re-inspected at appropriate intervals by a skilled person or persons, competent in such work. The recommended date by which the next inspection is due is stated in Section F of the Report under 'Recommendations'.
11. Where the installation includes a residual current device (RCD) it should be tested six-monthly by pressing the button marked 'T' or 'Test'. The device should switch off the supply and should then be switched on to restore the supply. If the device does not switch off the supply when the button is pressed, seek expert advice. **For safety reasons it is important that this instruction is followed.**
12. Where the installation includes an arc fault detection device (AFDD) having a manual test facility it should be tested six-monthly by pressing the test button. Where an AFDD has both a test button and automatic test function, manufacturer's instructions shall be followed with respect to test button operation.
13. Where the installation includes a surge protective device (SPD) the status indicator should be checked to confirm it is in operational condition in accordance with manufacturer's information. If the indication shows that the device is not operational, seek expert advice. **For safety reasons it is important that this instruction is followed.**
14. Where the installation includes alternative or additional sources of supply, warning notices should be found at the origin or meter position or, if remote from the origin, at the consumer unit or distribution board and at all points of isolation of all sources of supply.

**GUIDANCE FOR RECIPIENTS ON THE CLASSIFICATION CODES**  
**ONLY ONE CLASSIFICATION CODE SHOULD BE GIVEN FOR EACH RECORDED OBSERVATION**

**Classification code C1 (Danger present)**

Where an observation has been given a Classification code C1, the safety of those using the installation is at risk and immediate remedial action is required.

The person responsible for the maintenance of the installation is advised to take action without delay to remedy the observed deficiency in the installation, or to take other appropriate action (such as switching off and isolating the affected part(s) of the installation) to remove the danger. The contractor issuing this report will be able to provide further advice.

'Electrical Danger Notification' forms are available to enable inspectors to record, and then to communicate to the person ordering the report, any dangerous condition discovered.

**Classification code C2 (Potentially dangerous)**

Classification code C2 indicates that, whilst those using the installation may not be at immediate risk, urgent remedial action is required to remove potential danger. The contractor issuing this report will be able to provide further advice. It is important to note that the recommendation given for the next inspection date in PART 4 of this report is conditional upon all items which have been given a Classification code C1 and code C2 being remedied immediately and as a matter of urgency, respectively.

It would not be reasonable for the inspector to indicate that the installation is in a satisfactory condition if any observation in this report has been given a code C1 or code C2 classification.

**Classification code C3 (Improvement recommended)**

Where an observation has been given a Classification code C3, the inspection and/or testing has revealed a non-compliance with the current safety standard which, whilst not presenting immediate or potential danger, would result in a significant safety improvement if remedied. Careful consideration should be given to the safety benefits of improving these aspects of the installation. The contractor issuing this report will be able to provide further advice.

**Code FI (Further investigation required without delay)**

It should usually be possible for the inspector to attribute a Classification code to each observation without indicating a need for further investigation.

However, where 'FI' has been entered against an observation the inspector considers that further investigation of that observation is likely to reveal danger or potential danger that, due to the agreed extent or limitations of the inspection and/or testing (entered in PART 6), could not be fully identified at the time.

It would not be appropriate for the inspector to indicate that the installation is in a satisfactory condition if there is reasonable doubt as to whether danger or potential danger exists. Consequently, where the inspector has indicated 'Further investigation required without delay' (FI) the overall assessment of the installation (PART 3) should be marked as 'Unsatisfactory'.

If the inspector has indicated that an observation requires further investigation without delay, the person ordering this report is advised to arrange for the contractor issuing the report (or another skilled person or persons competent in such work) to undertake further examination of that aspect of the installation as a matter of urgency, to determine whether or not danger or potential danger exists.

**Further information**

Further information on the application of Classification codes, primarily aimed at inspectors but of possible interest to persons ordering condition reports, can be found in Electrical Safety First's Best Practice Guide No 4 Electrical installation condition reporting: Classification Codes for domestic and similar electrical installations. The guide can be viewed or downloaded free of charge from [www.electricalsafetyfirst.org.uk](http://www.electricalsafetyfirst.org.uk)