19 Main Street
Bishopthorpe
York. YO23 2RA

Tel: 01904 778519
Mobile: 0785 4314829
email: ncalmond@yahoo.co.uk

ELECTRICAL INSTALLATION CONDITION REPORT

Report N° 21AS0923

SECTION A. DETAILS OF THE PERSON ORDERING THE WORK

Name

Jason Johnson

Address

Johnsonjoinery125@gmail.com

SECTION B. REASON FOR PRODUCING THIS REPORT

A request by J. Johnson to check the condition of the electrical installation as part of the general maintenance of the property. The purpose of this report is to establish as far as reasonably practicable; if the electrical installation is in a satisfactory condition for continued service. The outcome of the condition is defined by the parts of the installation that do not comply with BS 7671:2018 Requirements for Electrical Installations amended to (2022). Non-compliance with BS 7671: 2018 is identified by the procedures of inspection and testing. To indicate where action is required; An assessment is provided in Section K OBSERVATIONS.

Date on which the inspection and testing was carried out

SECTION C. DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT

Occupier		Students		
Address		21 Ambrose Street, York		
Description of Premises	Domestic ☒	Commercial ☐	Industrial ☐	Other ☐
Estimated age of wiring system		40 years		
Evidence of additions/alterations?		Yes ☒	No ☐	Not apparent ☐
If "Yes", estimated age		10 years		
Installation records available? (Regulation 651.1)		Yes ☐	No ☒	
Date of last inspection		19/09/2018		

SECTION D. EXTENT AND LIMITATIONS OF INSPECTION AND TESTING

Extent of electrical installation covered by this report:

All electrical circuits and a selection of the existing electrical accessories. No 500v L-N Insulation Resistance tests carried out.

Agreed limitations including the reasons (see Regulation 653.2): No 500V L-N Insulation Resistance tests carried out. (250V test) Possible damage to electronic equipment

Agreed with: owner

Operational limitations including the reasons: None

The inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS 7671: 2018 as amended to 2020 . It should be noted that cables concealed within trunking and conduits, under floors, in roof spaces and generally within the fabric of the building or underground have **not** been inspected unless specifically agreed with the client and inspector prior to the inspection. An inspection should be made within an accessible roof space housing other electrical equipment.

SECTION E. SUMMARY OF THE CONDITION OF THE ELECTRICAL INSTALLATION

General Condition of the Installation (in terms of electric

Several additions and alterations. The electrical installation is in an unsatisfactory condition. The observations on the non-compliance with BS7671:2018 are provided, to improve the condition of the electrical installation. The General Condition of unsatisfactory is appropriate for the reason; C2 recommendations are listed in OBSERVATIONS SECTION K.

Overall Assessment of the installation in terms of suitability of continued use is: UNSATISFACTORY

SECTION F. RECOMMENDATIONS

Where the overall assessment of the suitability of the installation for continued use is stated as UNSATISFACTORY, I recommend that any observations classified as '*Danger present*' (code C1) or *'Potentially dangerous'* (code C2) are acted on as a matter of urgency. Investigation without delay is recommended for observations identified as *'Further investigation required'*. (code F1). Observations classified as *'Improvement recommended'* (code C3) should be given due consideration.

Subject to the necessary remedial action being taken, I recommend the installation is further inspected and tested by……2027

For the following reasons As part of general maintenance

SECTION G. DECLARATION

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 above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations and attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent and the limitations in section D of this report.

Inspected, Tested and Report by:

Name	N. ALMOND	Signature	N. Almond
For/on behalf of	FUSE: First You Save Energy	Position	Electrician
Address	19 Main Street, Bishopthorpe, York	Date	21/09/2023

Report N° 21AS0923

SECTION H. SCHEDULE(S)

1 Inspection Schedule(s) and 3 Schedules of Circuit Details and Test Results are attached.

The attached schedule(s) are part of this document and this Report is valid only when they are attached to it.

SECTION I. SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Earthing arrangements	Number and Type of Live Conductors		Nature of Supply Parameters	Supply Protective Device
TN-C ☐ TN-S ☒ TN-C-S ☐ TT ☐ IT ☐	AC ☒ 1-phase, 2-wire ☒ 2-phase, 3-wire ☐ 3-phase, 3-wire ☐ 3-phase, 4-wire ☐	DC ☐ 2-wire ☐ 3-wire ☐ Other ☐	Nominal voltage U/ U_o (1) 230 V Nominal frequency, f (1) 50 Hz Prospective fault current I_{pf} (2) 1.337 kA External loop impedance Z_e (2) 0.3 Ω *Note:* *(1) by inquiry* *(2) by inquiry or by measurement*	BS/EN 1361 Type IIa Rated Current 100 A
	Confirmation of supply polarity ☒			
Other sources of supply (as detailed on attached schedule) ☐				

SECTION J. PARTICULARS OF INSTALLATION REFERRED TO IN THIS REPORT

Means of Earthing	Details of Installation Earth Electrode (where applicable)
Distributor's facility ☒ Installation earth electrode ☐	Type (e.g. rod(s) tape etc) N/A Location N/A Electrode resistance to Earth N/A

Main Protective Conductors

Earthing conductor	Material: Copper	csa: 10 mm^2	Connection/continuity verified ☒
Main protective bonding conductors (to extraneous-conductive-parts)	Material: Copper	csa: 10 mm^2	Connection/continuity verified ☒

To water installation pipes ☒ To gas installation pipes ☒ To oil installation pipes ☐ To structural steel ☐

To lightning protection: ☐ To other (specify) ☐

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

Location	hall	**If RCD main switch**	
BS(EN)	60947-3	Type	
No of Poles	2	Rated residual operating current ($I_{\Delta n}$)	mA
Current rating	100 A	Rated time delay	ms
Fuse / device rating or setting	A	Measured operating time	ms
Voltage rating	240 V		

SECTION K. OBSERVATIONS

Referring to the attached inspection schedule(s) and schedule(s) of circuit details and test results, and subject to the limitations specified at the *Extent and limitations of inspection and testing* section

No remedial action is required ☐ The following observations are made ☒ (see below)

Entry No	DB	OBSERVATION(S)	Classification code
1.	1	The consumer unit is not manufactured from a non- combustible material	C3
2.	1	No Arc Fault Detection Device is fitted for the socket circuits	C3
3.	1	No surge protection device	C3
4.	1	Several sockets are fitted to close to the floor (impedes the plug)	C3
5.		The electric shower has an internal leak and the supply cable connection is overheated	C2
6.		The smoke and heat alarms expired in 2018	
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			

One of the following codes, as appropriate has been allocated to each of the observations made above to indicate to the person(s) responsible for the installation the degree of urgency for remedial action.

C1 - Danger present. Risk of injury. Immediate action required

C2 - Potentially dangerous - urgent remedial action required

C3 - Improvement required

FI – Further investigation required without delay

CONDITION REPORT INSPECTION SCHEDULE FOR DOMESTIC AND SIMILAR PREMISES WITH UP TO A 100 A SUPPLY √

Note 1: *This form is suitable for many types of smaller installations, not exclusively residential.*

OUTCOMES							
Acceptable condition	✓	*Unacceptable condition*	C1or C2	*Improvement recommended*	C3	*Further investigation*	FI
Not verified	N/V	Limitation	LIM	Not applicable	N/A		

ITEM No	DESCRIPTION	OUTCOME
1.0	**INTAKE EQUIPMENT (VISUAL INSPECTION ONLY)**	
1.1	-Service cable -Service head -Earthing arrangement -Meter tails - Distributor/Consumer -Metering equipment -Isolator (where present) NOTE 1: 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 dutyholder must be informed. It is strongly recommended that the person ordering the work informs the appropriate authority. NOTE 2: For this section only, where inadequacies are found, an X should be put against the appropriate item and a comment made in Section K.	√
	Person ordering work/dutyholder notified	NA
1.2	Consumer isolator (where present)	√
1.3	Consumer's meter tails	√
2.0	**PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES SUCH AS MICROGENERATORS (551.6; 551.7)**	
3.0	**EARTHING / BONDING ARRANGEMENTS (CHAPTER 411.3; Chap 54)**	
3.1	Presence and condition of distributor's earthing arrangement (542.1.2.1; 542.1.2.2)	√
3.2	Presence and condition of earth electrode connection where applicable) (542.1.2.3)	NA
3.3	Provision of safety electrical earthing / bonding labels at all appropriate locations (514.13.1)	√
3.4	Confirmation of earthing conductor size (542.3; 543.1.1)	√
3.5	Accessibility and condition of earthing conductor at MET (543.3.2)	√
3.6	Confirmation of main protective bonding conductor sizes (544.1)	√
3.7	Condition and accessibility of main protective bonding conductor connections (543.3.2; 544.1.2)	√
3.8	Accessibility and condition of other protective bonding connections (543.3.1; 543.3.2)	√
4.0	**CONSUMER UNIT(S) / DISTRIBUTION BOARD(S)**	
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 enclosure(s) in terms of IP rating etc (416.2)	√
4.4	Condition of enclosure(s) in terms of IP fire rating etc (421.1.201; 526.5)	√
4.5	Enclosure not damaged/deteriorated so as to impair safety (651.2)	√
4.6	Presence of main linked switch (as required by 462.1.201)	√
4.7	Operation of main switch (functional check) (643.1)	√
4.8	Manual operation of circuit-breakers and RCDs to prove disconnection (643.10)	√
4.9	Correct identification of circuit details and protective devices (514.8.1; 514.9.1)	√
4.10	Presence of RCD six monthly test notice at or near consumer unit/distribution board (514.12.2)	NA
4.11	Presence of alternative supply warning notice at or near consumer unit / distribution board (514.15)	NA
4.12	Presence of other required labelling (please specify) (section 514)	NA
4.13	Compatibility of protective devices, bases and other components; correct type and rating (No signs of	√

	unacceptable thermal damage, arcing or overheating) (411.3.2; 411.4; 411.5; 411.6; Section 432, 433	
4.14	Single-pole protective devices in line conductor only (132.14.1: 530.3.2)	√
4.15	Protection against mechanical damage where cable enter the consumer unit/distribution board (132.14.1; 522.8.1 522.8.5; 522.8.11)	√
4.16	Protection against electromagnetic effects where cables enter consumer unit/distribution board (521.5.1)	√
4.17	RCD(s) provided for fault protection - includes RCBOs (411.4.204; 411.5.2; 531.2)	NA
4.18	RCD(s) provided for additional protection/requirements - includes RCBOs (411.3.3; 415.1)	√
4.19	Confirmation of indication that SPD is functional (651.4)	NA
4.20	Confirmation that ALL conductor connections to busbars, are correctly located in terminals and are tight and secure (526.1)	√
4.21	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)	NA
4.22	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)	NA

5.0	**FINAL CIRCUITS**	
5.1	Identification of conductors (514.3.1)	√
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)	√
	• To include the integrity of conduit and trunking systems (metallic an plastic)	√
5.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)	√
5.6	Coordination between conductors and overload protective devices (433.1; 533.2.1)	√
5.7	Adequacy of protective devices; type and rated current for fault protection (411.3)	√
5.8	Presence and adequacy of circuit protective conductors (411.3.1; 543)	√
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)	√
5.10	Concealed cables installed in prescribed zones (see Section D. Extent and limitations) (522.6.202)	√
5.11	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (see Section D. *Extent and limitations*) (522.6.204)	√
5.12	Provision of additional requirements for protection by RCD not exceeding 30mA**:**	√
	• for all socket-outlets of rating 32A or less, unless an exemption is permitted (411.3.3)	√
	• for the supply of mobile equipment not exceeding 32A rating for use outdoors (411.3.3)	NA
	• for cables concealed in walls at a depth of less than 50mm (522.6.202,. 522.6.203)	√
	• for cables concealed in walls / partitions containing metal parts regardless of depth (522.6.203)	√
	• Final circuits supplying luminaires within domestic (household) premises (411.3.4)	√
5.13	Provision of fire barriers, sealing arrangements, and protection against thermal effects (Section 527)	√
5.14	Band II cables segregated / separated from Band I cables (528.1)	√
5.15	Cables segregated / separated from communication cabling (528.2)	√
5.16	Cables segregated / separated from non-electrical services (528.3)	√
5.17	Termination of cables and enclosures – indicate the extent of sampling in Section D of the report (Section 526)	√
	• Connections soundly made and under no undue strain (Section 526.6)	√
	• No basic insulation of a conductor visible outside the enclosure (526.98)	√
	• Connections of live conductors adequately enclosed (526.5)	√
	• Adequately connected at point of entry to enclosure (glands, bushes etc) (522.8.5)	√
5.18	Condition of accessories including socket-outlets, switches and joint boxes (651.2(v))	C2
5.19	Suitability of accessories for external influences (512.2)	√
5.20	Adequacy of working space/accessibility to equipment (132.12;513.1)	√
5.21	Single-pole switching or protective devices in line conductors only (132.14.1, 530.3.3)	√

6.0	**LOCATIONS CONTAINING A BATH OR A SHOWER**	
6.1	Additional protection for all low voltage circuits (LV) by RCD not exceeding 30mA (701.411.3.3)	√

6.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)	√
6.3	Shaver sockets comply with BS EN 61558-2-5 formally BS3535 (701.512.3)	NA
6.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2018 (701.415.2)	√
6.5	Low voltage (e.g. 230volt) socket-outlets sited at least 2.5m from zone 1 (701.512.3)	NA
6.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.3)	√
6.7	Suitability of accessories and control gear etc. for a particular zone (701.512.3)	√
6.8	Suitability of current-using equipment for particular position within the location (701.55)	√

7.0	**OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS**	
7.1	List all other special installations or locations present, if any. (Record separately the results of the particular inspections applied	√

8.0	**PROSUMER'S LOW VOLTAGE ELECTRICAL INSTALLATION(S)**	
8.1	Where the installation includes additional requirements and recommendations relating to Chapter 82, additional items should be added to the checklist.	

Inspected by:

Name: N. ALMOND **Signature:**  **Date:** 21/09/2023

SCHEDULE OF CIRCUIT DETAILS

Report N°: 21AS0923

Distribution board details	Distribution circuit OCPD: BS (EN)
DB reference DB1	Type
Location Hall	Rating/Setting A
Supplied from origin	SPD Details: Type(s)*: T1 ☐ T2 ☐ T3† ☐ N/A ☐

CIRCUIT DETAILS

Circuit number	Circuit description	Conductor Details					Overcurrent protective device					RCD			
		Type of wiring	Reference method‡	Number of points served	Number & size: Live (mm^2)	Number & size: cpc (mm^2)	BS (EN)	Type	Rating (A)	Breaking capacity (kA)	Maximum permitted Zs (Ω)§	BS (EN)	Type	$I_{\Delta}n$ (mA)	Rating (A)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1															
2	Kitchen sockets	A	C	1	16.0	6.0	60898	B	32	6	1.37	60898	A	30	63
3	shower	A	C	1	6.0	2.5	60898	B	32	6	1.37	60898	A	30	63
4	Sockets – 1st and 2nd floor	A	C	10	2.5	1.5	60898	B	32	6	1.37	60898	A	30	63
5	Lights – 1st floor	A	C	5	1.0	1.0	60898	B	6	6	7.28	60898	A	30	63
6	Fused spur supply in the bedroom above	A	C	1	2.5	1.5	60898	B	6	6	7.28	60898	A	30	63
7	Kitchen sockets and boiler supply	A	C	6	4.0	1.5	60898	B	32	6	1.37	60898	A	30	63
8	Unknown	A	C		2.5	1.5	60898	B	16	6	2.74	60898	A	30	63
9	Lights – ground floor	A	C	12	1.0	1.0	60898	B	6	6	7.28	60898	A	30	63
10															
11															
12															

CODES FOR TYPES 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	Other – please specify

*SPD Type. Where a combined T1 + T2 or T3 device is installed, indicate by ticking both Type boxes.

† Where a T3 SPD is installed to protect sensitive equipment, enter details in Remarks column of the Schedule of Test Results (See Section 534 of BS 7671:2018+A2:2022)

‡ See Table 4A2 of Appendix 4 of BS 7671:2018+A2:2022

§ Where the maximum permitted earth loop impedance value stated in column 12 is taken from a source other than the tabulated values given in Chapter 41 of BS 7671:2018+A2:2022, state the source of the data in the appropriate cell for the circuit in the 'Remarks' column 31, of the Schedule of Test Results.

SCHEDULE OF TEST RESULTS Report No **21AS0923**

Distribution board details	**Details of test instruments used (serial numbers)**
DB reference 1 Z_{db} 0.3 Ω I_{pf} 1.377 kA	Mutifunction: 8167307
Confirmed correct polarity ☒ Phase sequence ☐	
SPD: operational status confirmed ☐ N/A ☒	

TEST RESULT DETAILS

Circuit number	Continuity (Ω)					Insulation Resistance			Polarity#	Z_s (Ω)	RCD		AFDD	Remarks
	Ring final circuit			(R1 + R2) or R2										
	r_1 (line) (Ω)	r_n (neutral) (Ω)	r_2 (cpc) (Ω)	(R_1 + R_2)	R_2	Test Voltage (V)	Live – Live (MΩ)	Live – Earth (MΩ)		Maximum measured	Disconnection time (ms)**	Test button operation	Manual test button operation	
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1														
2				0.14		250		15	√	0.51	35	YES		
3				0.15		250		15	√	0.41	35	YES		
4	0.28	0.29	0.42	0.2		250		15	√	0.72	35	YES		
5				0.79		250		15	√	1.16	35	YES		
6				0.1		250		15	√	0.40	35	YES		
7				0.33		250		15	√	0.62	32	YES		
8						250		15	√		32	YES		
9				0.6		250		15	√	0.86	32	YES		
10														
11														
12														

Not all SPDs have visible functionality indication
An 'X' denoting incorrect polarity, cannot be entered on this schedule when issued with an Electrical Installation Certificate.
** RCD effectiveness is verified using an alternation current test at rated residual operating current

CONDITION REPORT
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, so far as reasonably practicable, whether or not the electrical installation is in a satisfactory condition for continued service (see Section E). The report should identify any damage, deterioration, defects and/or conditions which may give rise to danger (see Section K).
2. This Report is only valid if accompanied by the Inspection Schedule(s) and theScedules(s) of the 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 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. Section D (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 Section D.
7. For items classified in Section K 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 Section K 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 Section K that an observation requires further investigation (code FI) the inspection has revealed an apparent deficiency which could not, due to the extent or limitations of the inspection, be fully identified. Such observations should be investigated as soon as possible. A further examination of the installation will be necessary, to determine the nature and extent of the apparent deficiency (see Section F).
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 recommendation 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 operational condition in accordance with manufacture's information. If the indication shows 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.

19 Main Street
Bishopthorpe
York. YO23 2RA

Tel: 01904 778519
Mobile: 0785 4314829
email: ncalmond@yahoo.co.uk

Certificate No 21AS09232

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

PART 1: Description of the minor works

1. Details of the Client
   Jason Johnson, York
   Date minor works completed
   28/09/2023
2. Installation location/address
   Bathroom, 21 Ambrose Street, York
3. Description of the minor works
   Replace the electric shower with new and the supply cable from the isolation switch to the shower
4. Details of departures, if any, from BS 7671:2018 as amended (2022) for the circuit altered or extended (Regulation 120.3, 133.1.3 and 133.5).
   Details of permitted exceptions (Regulation 411.3.3). where applicable, a suitable risk assessment(s) must be attached to this Certificate
   none

   Risk assessment attached ☐
5. Comments on (including any defects observed in) the existing installation (Regulation 644.1.2):
   The electrical installation is satisfactory (see the electrical installation condition report)

PART 2: Presence and adequacy of installation earthing and bonding arrangements (Regulation 132.16)

1. System earthing arrangements TN-C-S ☐ TN-S ☒ TT ☐
2. Earth fault loop impedance at the distribution board (Z_{db}) supplying the final circuit 0.3 Ω
3. Presence of adequate main protective conductors: Earthing conductor ☒

Main protective bonding conductor(s) to:
Water ☒ Gas ☒ Oil ☐ Structural steel ☐ other ☐

Part 3: Circuit details

DB Reference No: 1	DB location and type Hall Type A (SP+N)		
Circuit No:3	Circuit description Shower		
	Installation reference method C		
Number & size of conductors	Live 6.0 mm^2	cpc 2.5 mm^2	
Circuit overcurrent protective device:	BS(EN) 60898	Type B	Rating 32 A
RCD	BS(EN) 61008	Type AC	Rated residual operating current($I_{\Delta n}$) 30mA
AFDD	BS(EN) N/A	Rating A	
SPD	BS(EN) N/A	Type	

PART 4: Test results for the altered or extended circuit(where relevant and practicable)

Protective conductor continuity:	$R_1 + R_2$ 0.1 Ω	or	R_2 Ω
Continuity of ring final circuit conductors:	L/L Ω	N/N Ω	cpc/cpc Ω
Insulation resistance:	Test voltage 500 V	Live – Live MΩ	Live – Earth 50 MΩ
Polarity satisfactory YES	Maximum measured earth fault loop impedance		Z_s 0.41 Ω

RCD disconnection time at rated residual operating current ($I_{\Delta n}$) 34 ms Satisfactory test button operation YES
AFDD satisfactory test button operation NOTE: Not all AFDDs have a test button
SPD functionality confirmed NOTE: Not all SPDs have a visible functionality indication

PART 5: Declaration

I certify that the work covered by this certificate does not impair the safety of the existing installation and the work has been designed, constructed, inspected and tested in accordance with BS:7671:.2018 amended to 2022.. and that to the best of my knowledge and belief, at the time of my inspection, complied with BS 7671 except as detailed in Part 1 above.

Name: N C Almond
For and behalf of FUSE First You Save Energy
Address: 19 Main Street, Bishopthorpe, York

Signature:
Position: Electrician **Date**: 28/09/2023

(REQUIREMENTS FOR ELECTRICAL INSTALLATIONS – BS 7671)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

GUIDANCE FOR RECIPIENTS (to be appended to the certificate)

This Certificate has been issued to confirm that the electrical installation work to which it relates has been designed, constructed, inspected and tested in accordance with BS 7671.

You should have received an 'original' Certificate and the contractor should have retained a duplicate. If you were the person ordering the work, but not the owner of the installation, you should pass this Certificate, or a copy of it, to the owner. A separate Certificate should have been received for each existing circuit on which minor works have been carried out. This certificate is not appropriate if you requested the contractor to undertake more extensive installation work, for which you shoud have received an Electrical Installtion Certifificate.

The Certificate should be retained in a safe place and be shown to any person inspecting or undertaking further work on the electrical installation in the future. If you later vacate the property, this Certificate will demonstrate to the new owner that the minor electrical installation work carried out complied with the reqirements of BS 7671 at the time the Certificate was issued.

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.**

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.

Where the installation includes a surge protective device (SPD) the status indicator should be checked to confirm it is operational condition in accordance with manufacture's information. If the indication shows the device is not operational, seek expert advice. **For safety reasons it is important that this instruction is followed.**

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.

19 Main Street
Bishopthorpe
York. YO23 2RA

Tel: 01904 778519
Mobile: 0785 4314829
email: ncalmond@yahoo.co.uk

Certificate No 21AS09233

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

PART 1: Description of the minor works

1. Details of the Client
   Jason Johnson, York
   Date minor works completed
   28/09/2023
2. Installation location/address
   Living room, 21 Ambrose Street, York
3. Description of the minor works
   Install one smoke detector (connected to the existing smoke detectors)
4. Details of departures, if any, from BS 7671:2018 as amended (2022) for the circuit altered or extended (Regulation 120.3, 133.1.3 and 133.5).
   Details of permitted exceptions (Regulation 411.3.3). where applicable, a suitable risk assessment(s) must be attached to this Certificate
   none

   Risk assessment attached ☐
5. Comments on (including any defects observed in) the existing installation (Regulation 644.1.2):
   The electrical installation is satisfactory (see the electrical installation condition report)

PART 2: Presence and adequacy of installation earthing and bonding arrangements (Regulation 132.16)

1. System earthing arrangements TN-C-S ☐ TN-S ☒ TT ☐
2. Earth fault loop impedance at the distribution board (Z_{db}) supplying the final circuit 0.3 Ω
3. Presence of adequate main protective conductors: Earthing conductor ☒

Main protective bonding conductor(s) to:
Water ☒ Gas ☒ Oil ☐ Structural steel ☐ other ☐

Part 3: Circuit details

DB Reference No: 1	DB location and type Hall Type A (SP+N)		
Circuit No:5	Circuit description 1st floor lights and smoke detectors		
	Installation reference method C		
Number & size of conductors	Live 1.0 mm^2	cpc 1.0 mm^2	
Circuit overcurrent protective device:	BS(EN) 60898	Type B	Rating 6 A
RCD	BS(EN) 61008	Type AC	Rated residual operating current($I_{\Delta n}$) 30mA
AFDD	BS(EN) N/A	Rating A	
SPD	BS(EN) N/A	Type	

PART 4: Test results for the altered or extended circuit(where relevant and practicable)

Protective conductor continuity:	$R_1 + R_2$ 0.68 Ω	or	R_2 Ω
Continuity of ring final circuit conductors:	L/L Ω	N/N Ω	cpc/cpc Ω
Insulation resistance:	Test voltage 500 V	Live – Live MΩ	Live – Earth 50 MΩ
Polarity satisfactory YES	Maximum measured earth fault loop impedance		Z_s 1.05 Ω

RCD disconnection time at rated residual operating current ($I_{\Delta n}$) 34 ms Satisfactory test button operation YES
AFDD satisfactory test button operation NOTE: Not all AFDDs have a test button
SPD functionality confirmed NOTE: Not all SPDs have a visible functionality indication

PART 5: Declaration

I certify that the work covered by this certificate does not impair the safety of the existing installation and the work has been designed, constructed, inspected and tested in accordance with BS:7671:.2018 amended to 2022.. and that to the best of my knowledge and belief, at the time of my inspection, complied with BS 7671 except as detailed in Part 1 above.

Name: N C Almond
For and behalf of FUSE First You Save Energy
Address: 19 Main Street, Bishopthorpe, York

Signature:
Position: Electrician **Date**: 28/09/2023

(REQUIREMENTS FOR ELECTRICAL INSTALLATIONS – BS 7671)

MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

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