



NAPIT Electrical Installation Condition Report

for Domestic and Similar Premises with up to 100 A Supply

NA/EICR 002710

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

Page 1 of 5

A Details of the Installation

Client **Mr D Kirk**
 Address **POPLAR FARM, 2 BARRSTONE LANE, PLUNGAR, NOTTINGHAM**
 Postcode **NG13 0SA**

Installation (If different from client)
 Address **ST. HELEN'S CHURCH BARRSTONE LANE PLUNGAR, NOTTINGHAM**
 Postcode **NG13 0SA**

B Reason for producing this report

This form to be used only for reporting on the condition of an existing installation

ELECTRICAL SAFETY AND CONTINUED SAFE USE OF THE ELECTRICAL INSTALLATION.

Date(s) on which the inspection and testing were carried out **01-04-20** to **—**

C Details of the installation which is the subject of the report

Description of premises Domestic Commercial Industrial Other (please state) **CHURCH**
 Estimated age of the wiring system **46** years
 Evidence of alterations or additions Yes No Not apparent If 'Yes', estimated **11** years
 Records of installation available (Regulation 651.1) Yes No Records held by **MR D KIRK**
 Date of last inspection **13/09/19** Electrical Installation Certificate No. or previous Inspection Report No. **65527**

D Extent of limitations of inspection and testing

Agreed limitations and Operational Limitations (See Regulations 653.2)

LIMITATIONS OF INSPECTION AND TESTING TO OUT OF REACH EQUIPMENT. 20% SAMPLING OF ACCESSORIES INSPECTED

Agreed with (if required) **MR D KIRK**

Operational limitations including the reasons (see page no. **—** of **—** (if applicable))

The inspection and testing detailed within this report and accompanying schedule has been carried out in accordance with BS 7671:2018. It should be noted that cables concealed within the 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 between the client and inspector prior to the inspection. An inspection should be made within an accessible roof space housing other electrical equipment.

E Summary of the condition of the installation

General conditions of the installation (in terms of electrical safety)

SATISFACTORY FOR THE AGE OF THE INSTALLATION.

Overall assessment of the installation in terms of its suitability for continued use SATISFACTORY UNSATISFACTORY*
 * An UNSATISFACTORY assessment indicates that dangerous (code C1) and/or potentially dangerous (code C2) conditions have been identified.

F Recommendations

Where the overall assessment of the suitability of the installation for continued use above is stated as **UNSATISFACTORY**, I/we recommend that any observations classified as 'Danger present' (code C1) or 'Potentially dangerous' (code C2) are acted upon as a matter of urgency. Investigation without delay is recommended for observations identified as 'further investigation required' (code FI). Observations classified as 'Improvement recommended' (code C3) should be given due consideration. Subject to the necessary remedial action being taken, I/we recommend that the installation is further inspected and tested by **01/04/25** (date).

G Declaration

I/We, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my/our signatures below), particulars of which are described 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 the attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent and limitations in section D of this report.

Company		Inspected and tested by		Authorised for issue by	
Company	A.C.G ELECTRICAL	Name	A Goddwin		
Membership No.	21428	Signature	[Signature]		
Address	19 THE COTTAGE, CHURCH LANE, PLUNGAR, NOTTS	Position	PROPRIETOR		
Postcode	NG13 0SD	Date	01-04-20		

H Schedules

schedule(s) of inspection and schedule(s) of 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.

NAPIT Electrical Installation Condition Report

For Domestic and Similar Premises with up to 100 A Supply

NA/EICR 002710

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

Page 2 of 5

I Supply characteristics and earthing arrangements

Earthing Arrangements TN-S TN-C-S TT Other Please specify: _____

Number and Type of Live Conductors AC DC No. of phases 1 No. of wires 2 Confirmation of supply polarity

Nature of Supply Parameters (Note: (1) by enquiry, (2) by enquiry or by measurement) Nominal voltage, U/U₀ (1) 230 V Nominal frequency, f (1) 50 Hz

Prospective fault current, I_{pf} (2) 1.1 kA External loop Impedance, Z_e (2) 0.23 Ω

Supply Protective Device BS (EN) 1361 Type ICB Nominal current rating 100 A

Other Sources of Supply (as detailed on attached schedule)

J Particulars of installation referred to in this certificate

Means of Earthing Distributor's facility Installation earth electrode

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

Location _____ Electrode resistance to earth _____ Ω

Main Protective Conductors	Material	csa	✓ or Ohm	(Connection/continuity) ✓ or Ohm	✓ or Ohm
Earthing conductor	COPPER	16	✓	To water installation pipes <input checked="" type="checkbox"/>	To structural steel <input type="checkbox"/>
Main protective bonding conductor (to extraneous-conductive-parts)	COPPER	10	✓	To gas installation pipes <input type="checkbox"/>	To lightning protection <input type="checkbox"/>
Main supply conductor	COPPER	25		To oil installation pipes <input checked="" type="checkbox"/>	Other <input type="checkbox"/>

Main Switch Location VESTRY BS(EN) 61008 No. of poles 2 Current rating 100

Fuse/device rating or setting _____ A Voltage rating 230 V

If RCD main switch: Rated residual operating current I_{Δn} 30 mA Rated time delay _____ ms

Measured operating trip time 38.3 ms

K Observations

Referring to the attached schedule of inspection and test results, and subject to the limitations at Section D.

No remedial work required The following observations are made

Explanation of codes

- C1** Danger present. Risk of injury. Immediate remedial action required.
- C2** Potentially dangerous. Urgent remedial action required.
- C3** Improvement recommended.
- F1** Further investigation without delay.

Item No.	Observations	Code
1	PLASTIC DISTRIBUTION BOARD, NOT FIRE RESISTANT	C3
2	PVC WIRES EXPOSED TO U/V RAYS, OUTSIDE LIGHT ON PORCH	C3
3	CABLES NOT SUPPORTED THROUGHOUT THEIR LENGTH, D/13 & TOWER AREA	C3
4	MOISTURE IN THE OUTSIDE GROUND LIGHT AND THE EARTH CONNECTION IS CORRODED. REPLACEMENT RECOMMENDED.	C3

One of the above codes, as appropriate, has been allocated to each of the observations made above and/or any attached observation sheets to indicate to the person(s) responsible for the installation the degree of urgency for remedial action.

- C1** Immediate remedial work required for items.
- C2** Urgent remedial work required for items.
- C3** Improvement(s) recommended for items.
- F1** Further investigation required without delay.

1, 2, 3, 4



NAPIT Electrical Installation Condition Report

For Domestic and Similar Premises with up to 100 A Supply

NA/EICR 002710

Note: This form is suitable for many types of smaller installation not exclusively domestic.
 Requirements for Electrical Installations – BS 7671:2018 (IET Wiring Regulations 18th Edition)
 Only for the reporting on the condition of an existing installation.

Page 3 of 5

Schedule of Inspections - Outcomes

Acceptable condition: ✓	Unacceptable condition: State C1 or C2	Improvement recommended: C3	Further investigation: FI	Not verified: NV	Limitation: LIM	Not applicable: NA
----------------------------	---	--------------------------------	------------------------------	---------------------	--------------------	-----------------------

(In the outcome column use the codes above. Provide additional comment where appropriate. C1/C2/C3 and FI coded items to be recorded in section K of the condition report)

Item No.	Description (Where inadequacies in intake equipment are encountered, it is recommended that the person ordering the report informs the appropriate authority).	Outcome
1.0	EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTION ONLY):	
1.1	Service cable	✓
1.2	Service head	✓
1.3	Earthing arrangement	✓
1.4	Meter tails	✓
1.5	Metering equipment	NA
1.6	Isolator (where present)	NA
2.0	Presence of adequate arrangements for other sources such as microgenerators (551.6; 551.7)	
3.0	EARTHING / BONDING ARRANGEMENTS (411.3; CHAP 54)	
3.1	Presence and condition of distributor's earthing arrangements (542.1.2.1; 542.1.2.2)	NA
3.2	Presence and condition of earth electrode connection where applicable (542.1.2.3)	✓
3.3	Provision of 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 arrangement (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 (543.3.1; 544.3.2)	✓
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)	C3
4.4	Condition of enclosure(s) in terms of 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(es) (functional check) (643.10)	✓
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)	✓
4.11	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit/distribution board (514.14)	✓
4.12	Presence of alternative supply warning notice at or near consumer unit/distribution board (514.15)	NA
4.13	Presence of other required labelling (please specify) (Section 514)	✓
4.14	Compatibility of protective devices, bases and other components; correct type and rating. (No signs of unacceptable thermal damage, arcing or overheating) (411.3.2; 4.11.4; 4.11.5; 4.11.6; Section 432,433)	✓
4.15	Single-pole switching or protective devices in line conductor only (132.14.1; 530.3.3)	✓
4.16	Protection against mechanical damage where cables enter consumer unit/distribution board (132.14.1; 522.8.1; 522.8.5; 522.8.11)	✓
4.17	Protection against electromagnetic effects where cables enter consumer unit/distribution board/enclosures (521.5.1)	✓
4.18	RCD(s) provided for fault protection -includes RCBO(s) (411.4.204; 411.5.2; 531.2)	✓
4.19	RCD(s) provided for additional protection/requirements - includes RCBO(s) (411.3.3; 415.1)	✓
4.20	Confirmation of indication that SPD is functional (651.4)	NA
4.21	Confirmation that ALL conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure (526.1)	✓
4.22	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)	NA
4.23	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)	C3
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 in the integrity of conduit and trunking systems (metallic and plastic)	NA
5.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)	✓

NAPIT Electrical Installation Condition Report

For Domestic and Similar Premises with up to 100 A Supply

NA/EICR 002710

Note: This form is suitable for many types of smaller installation not exclusively domestic.
 Requirements for Electrical Installations – BS 7671:2018 (IET Wiring Regulations 18th Edition)
 Only for the reporting on the condition of an existing installation.

Page 4 of 5

Schedule of Inspections - Outcomes

Acceptable condition: ✓	Unacceptable condition: State C1 or C2	Improvement recommended: C3	Further investigation: FI	Not verified: NV	Limitation: LIM	Not applicable: NA
----------------------------	---	--------------------------------	------------------------------	---------------------	--------------------	-----------------------

(In the outcome column use the codes above. Provide additional comment where appropriate. C1/C2/C3 and FI coded items to be recorded in section K of the condition report)

Item No.	Description	Outcome
5.0	FINAL CIRCUITS CONT.	
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: Section 543)	✓
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)	C3
5.10	Concealed cables installed in prescribed zones (see Section D. Extent and limitations) (522.6.202)	NT
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 RCD NOT EXCEEDING 30 mA:	
5.12.1	For all socket-outlets of rating 32 A or less, unless an exception is permitted (411.3.3)	✓
5.12.2	For the supply of mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)	NT
5.12.3	For cables concealed in walls at a depth of less than 50 mm (522.6.202; 522.6.203)	NT
5.12.4	For cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203)	✓
5.12.5	Final circuits supplying luminaires within domestic (household) premises (411.3.4)	C3
5.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)	NT
5.14	Band II cables segregated/separated from Band I cables (528.1)	NT
5.15	Cables segregated/separated from communications cabling (528.2)	NT
5.16	Cables segregated/separated from non-electrical services (528.3)	✓
5.17	TERMINATION OF CABLES AT ENCLOSURES - INDICATE EXTENT OF SAMPLING IN SECTION D OF THE REPORT (SECTION 526)	
5.17.1	Connections soundly made and under no undue strain (526.6)	✓
5.17.2	No basic insulation of a conductor visible outside enclosure (526.8)	✓
5.17.3	Connections of live conductors adequately enclosed (526.5)	✓
5.17.4	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))	✓
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; 530.3.3)	✓
6.0	LOCATION(S) CONTAINING A BATH OR SHOWER	
6.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA (701.411.3.3)	NT
6.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)	NT
6.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)	NT
6.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2018 (701.415.2)	NT
6.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3 m from zone 1 (701.512.3)	NT
6.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	NT
6.7	Suitability of accessories and controlgear etc. for a particular zone (701.512.3)	NT
6.8	Suitability of current-using equipment for particular position within the location (701.55)	NT
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 particular inspections applied.)	
8.0	SCHEDULE OF TESTS RESULTS TO BE RECORDED ON SCHEDULE OF TEST RESULT	
8.1	External earth loop impedance, Z_e	✓
8.2	Installation earth electrode R_A	NT
8.3	Prospective fault current I_{pf}	✓
8.4	Continuity of Earthing conductors	✓
8.5	Continuity of circuit protective conductors	✓
8.6	Continuity of ring final circuit conductors	✓
8.7	Continuity of protective bonding conductors	✓
8.8	Volt drop verified	✓
8.9	Insulation Resistance between Live conductors	✓
8.10	Insulation Resistance between Live conductors and Earth	✓
8.11	Polarity (prior to energisation)	✓
8.12	Polarity (after energisation) including phase sequence	✓
8.13	Earth fault loop impedance	✓
8.14	RCD(s)/RCBO(s) including selectivity	✓
8.15	Functional testing of RCD(s)	✓
8.16	Functional testing of AFDD(s)	NT

Inspector's Name **A. GOODWIN**
 Date **01-04-20**

Signature *[Handwritten Signature]*



NAPIT Electrical Installation Test Sheet

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

NA/EICR 002

Page 5 of 5

Client **MR D KIRK** Installation address **ST HELEN'S CHURCH PARKSTONE LANE PUNGEAR NETTS** Postcode **NG13 0SA**

Location of distribution board **VESTRY** Complete only if the distribution board is not connected directly to the origin of the installation

Distribution board designation **D31** Supply to DB is from: No. of phases **3** Nominal Voltage **230V** Overcurrent protective device for the distribution circuit: Rating **5** Phase sequence confirmed

Number of ways **5** Supply polarity confirmed

Characteristics at this distribution board: Associated RCD (if any): BS (EN) **307 2000** Operating at **1 Δn** Above 30mA ms **307 2000** No. of poles **3** 30mA or below ms **307 2000** Operating at **5 Δn** mA **307 2000** Time Delay (if applicable) ms **307 2000**

Test instrument serial number(s): Loop Imped. **307 2000** Insulation resistance **307 2000** Continuity **307 2000** RCD **307 2000**

Circuit No. and line No.	Circuit designation	Type of wiring	Ref. method	No. of points served	Circuit conductor		Maximum disconnection time (BS 7671) (s)	Overcurrent protective devices		RCD operating current I _{Δn} (mA)	BS 7671 Max. permitted value Z _s Other %	Circuit impedance Ω			Insulation resistance (Record lower reading)		Polarity	Max. measured Z _s (Ω)	RCD testing		Manual test button operation	
					L/N (mm ²)	CPC (mm ²)		BS EN Number	Type No.			Rating (A)	Breaking Capacity (kA)	Ring final circuits only (measured end to end)	Fig 8 check	All circuits to be completed using R ₁ , R ₂ or R ₃ not both			Test Voltage V	L/L L/N (MΩ)		L/E N/E (MΩ)
1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	SOCKETS AND WATER HEATER	A C	C	6	2.5	1.5	0.4	60848	13	20	30	-	-	-	-	-	-	1.10	38.3	14.4	-	-
3	SOCKET GROUPS, LIGHTS, POINT ELECTRON, HEATING	A C	C	6	1.5	1.0	0.4	60848	13	10	30	-	-	-	-	-	-	1.18	38.3	14.4	-	-
4	LET. CHANNEL, PUNGEAR	A C	C	13	1.5	1.0	0.4	60848	13	6	30	-	-	-	-	-	-	1.43	38.3	14.4	-	-
5	WAVE LIGHTS	A C	C	3	1.5	1.0	0.4	60848	13	6	30	-	-	-	-	-	-	0.50	38.3	14.4	-	-

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

Date(s) dead testing **01-04-20** To **01-04-20**

Date(s) live testing **01-04-20** To **01-04-20**

See attached sheets page(s) **1** Of **1**

CIRCUIT NO 2 CLOSER BATTERY CHARGER PLUGGED IN, NO 3 BLOWER AND ORGAN.

Tested by: Name (capital letters) **A GOODWIN** Signature *A Goodwin*

Position **PROTECTOR** Date(s) **01-04-20**

Wiring Types: A PVC/PVC B PVC cables in metallic conduit C PVC cables in non-metallic conduit D PVC cables in metallic trunking E PVC cables in non-metallic trunking F PVC/SWA cables G SWA/XPLE cables H Mineral insulated O Other

NAPIT 4th Floor, Mill 3, Pleasley Vale Business Park, Mansfield, Nottinghamshire NG19 8RL