

# NAPIT Electrical Installation Condition Report

for Domestic and Similar Premises with up to 100 A Supply

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

NA/EICR 311828

Page 1 of 5

## A Details of the Installation

Client **RON PARISH**  
Address **LIZARD HOUSE FARM**  
**THORN**  
**RIPON**  
Postcode **HG4 4AU**

Installation (If different from client)  
Address **1 DIAMOND STREET**  
**YORK**  
Postcode **YO31 84H**

## B Reason for producing this report

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

**PERIODIC INSPECTION + TEST**

Date(s) on which the inspection and testing were carried out **11/07/23** to **11/07/23**

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

Description of premises Domestic ☒ Commercial ☐ Industrial ☐ Other (please state)  
Estimated age of the wiring system **10** years  
Evidence of alterations or additions ☒ Yes ☐ No ☐ Not apparent If 'Yes', estimated ☐ years  
Records of installation available (Regulation 651.1) ☒ Yes ☐ No Records held by **NAPIT**  
Date of last inspection **2018** Electrical Installation Certificate No. or previous Inspection Report No. **546784**

## D Extent of limitations of inspection and testing

**All electrical circuits**

### Agreed limitations and Operational limitations (See Regulations 653.2)

**Sockets behind units + built in cupboards**

Agreed with (if required) **RON PARISH**

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 trunkings 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**

Overall assessment of the installation in terms of its suitability for continued use ☒ **SATISFACTORY**

**UNSATISFACTORY\***

\*An UNSATISFACTORY assessment indicates that dangerous (code C1), or potentially dangerous (code C2), or Further investigation (code FI) 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 **11/07/28** (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 **YORK HOME SERVICES**  
Membership No. **27767**  
Address **47 BEDALE AVE.**  
**YORK**  
Postcode **YO10 3WG**

Inspected and tested by  
Name **DANIEL ROBSON**  
Signature **[Signature]**  
Position **INSPECTOR**  
Date **11/07/23**

Authorised for issue by

## 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.





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## 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,  $U/U_0$  (1) 230 V Nominal frequency,  $f$  (1) 50 Hz

Prospective fault current,  $I_{pf}$  (2) 0.72 kA External loop impedance,  $Z_e$  (2) 0.22  $\Omega$  or  $Z_{so}$  Source of Circuit  $\Omega$

Supply Protective Device BS (EN) 3036 Type II Nominal current rating 60 A

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

## Particulars of installation referred to in this certificate

Means of Earthing Distributors facility ☒ Installation earth electrode

Details of installation earth electrode (where applicable) Type (e.g. rod(s), tape etc) NA Maximum Demand (load) 52 KVA ☒

Location Front Bedroom Electrode resistance to earth NA  $\Omega$

Main Protective Conductors Material csa ☒ or Ohm (Connection/continuity) ☒ or Ohm ☒ or Ohm

Earthing conductor Copper 16 ☒ To water installation pipes ☒ To structural steel ☐

Main protective bonding conductor (to extraneous-conductive-parts) Copper 16 ☒ To gas installation pipes ☒ To lightning protection ☐

Main supply conductor Copper 16 To oil installation pipes ☐ Other ☐

Main Switch

Location Downstairs Bedroom BS (EN) 60947 No. of poles 2 Current rating 100

Fuse/device rating or setting 100 A Voltage rating 230 V

If RCD main switch: Rated residual operating current  $I_{\Delta n}$  mA Rated time delay ☒ ms

Measured operating trip time ☒ ms

## 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
4.3	upgrade consumer to meet current fire rating	C3
1.4	upgrade meter tails to 25mm <sup>2</sup>	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.

4.4 + 1.4





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**PERIODIC INSPECTION + TEST**

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**Sockets behind units + built in cupboards**

Agreed with (if required) **RON PARISH**

Operational limitations including the reasons (see page no. **4** of **1** (If applicable))

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UNSATISFACTORY\*

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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 **11/07/23** (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 <b>YORK HOME SERVICES</b>	Inspected and tested by	Authorised for issue by
Membership No. <b>27767</b>	Name <b>DANIEL ROBSON</b>	
Address <b>47 BEDALE AVE.</b>	Signature	
<b>YORK</b>	Position <b>INSPECTOR</b>	
Postcode <b>YO10 3WG</b>	Date <b>11/07/23</b>	

## H Schedules

☒ schedule(s) of inspection and ☒ schedule(s) of test results are attached.

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## For Domestic and Similar Premises with up to 100 A Supply

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Note: This form is suitable for many types of smaller installation not exclusively domestic.  
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### 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
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(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	<b>EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTION ONLY):</b>	
1.1	Service cable	✓
1.2	Service head	✓
1.3	Earthing arrangement	C3
1.4	Meter tails	✓
1.5	Metering equipment	✓
1.6	Isolator (where present)	✓
2.0	<b>PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES SUCH AS MICROGENERATORS (551.6; 551.7)</b>	
3.0	<b>EARTHING / BONDING ARRANGEMENTS (411.3; CHAP 54)</b>	
3.1	Presence and condition of distributor's earthing arrangements (542.1.2.1; 542.1.2.2)	✓
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	<b>CONSUMER UNIT(S) / DISTRIBUTION BOARD(S)</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 enclosure(s) in terms of IP rating etc (416.2)	✓
4.4	Condition of enclosure(s) in terms of fire rating etc (421.1.201; 526.5)	C3
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)	✓
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 bases 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)	✓
4.23	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)	✓
5.0	<b>FINAL CIRCUITS</b>	
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 in the integrity of conduit and trunking systems (metallic and plastic)	✓
5.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)	✓





Note: This form is suitable for many types of smaller installation not exclusively domestic.  
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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
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(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	Co-ordination 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)	✓
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 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)	✓
5.12.3	For cables concealed in walls at a depth of less than 50 mm (522.6.202; 522.6.203)	✓
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)	✓
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 communications cabling (528.2)	✓
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 (531.2 (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)	✓
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 formerly BS 3535 (701.512.3)	✓
6.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2018 (701.415.2)	✓
6.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3 m from zone 1 (701.512.3)	✓
6.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	✓
6.7	Suitability of accessories and controlgear 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 particular inspections applied.)	✓
8.0	SCHEDULE OF TESTS (RESULTS TO BE RECORDED ON SCHEDULE OF TEST RESULTS)	
8.1	External earth loop impedance, Z <sub>e</sub>	✓
8.2	Installation earth electrode R <sub>a</sub>	NA
8.3	Prospective fault current I <sub>pf</sub>	✓
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)	✓

Inspectors Name DANIEL KUBSON  
Date 07/07/23

Signature





# NAPIT Electrical Installation Test Sheet

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

NA/EICR 311828

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NAPIT

Client Pen Paragh

Installation address 1 Diamond Street, York

Postcode YO21 8LH

Complete in every case

Location of distribution board Bedroom

Distribution board designation /

Number of ways 10

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

Supply to DB is from MAIN SW

Overcurrent protective device No. of phases 1

Type BS(EN) 3032

Supply polarity confirmed ☒ Phase sequence confirmed NA

Nominal Voltage 230V

Rating 60A

Characteristics at this distribution board

Zob 0.22Ω

Ipf 0.76mA

Associated RCD (if any): BS (EN)

No. of poles 1

IΔn /

Time Delay (if applicable)

Operating at 1 Δn

30mA or below

Operating at 5 Δn

mA

ms

Loop imped.

Insulation resistance

Continuity

RCD

Test instrument serial number(s)

3163133

## CIRCUIT DETAILS

Circuit No. and line No.

Circuit designation

Ref. method

Type of wiring

No. of points served

Circuit conductor L/N (mm²)

CPC (mm²)

Maximum disconnection time (BS 7671) (s)

Overcurrent protective devices BS EN Number

Rating (A)

Type No.

Breaking Capacity (kA)

BS 7671 Max. permitted value Zs Other %

RCD operating current IΔn (mA)

Ω

Fig 8 check (✓)

All circuits to be completed using R1 + R2 or R2 not both

R1 + R2

R2

Test Voltage V

Insulation resistance (Record lower reading)

L/L L/N (MΩ)

L/E N/E (MΩ)

Polarity

Max. measured Zs (Ω)

RCD testing Above 30mA IΔn ms

30mA or below 5 IΔn ms

Manual test button operation AFDD (✓)

RCD (✓)

26.7 20.6

0.80

0.34

0.43

0.00

274.9-2

1.63

0.55

1.71

0.99

732 739

780 730

7500 7500

7500 7500

7500 7500

7500 7500

7500 7500

7500 7500

7500 7500

7500 7500

7500 7500

7500 7500

7500 7500

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

Date(s) dead testing

17/07/23

Date(s) live testing

See attached sheets page(s)

Tested by: Name (capital letters) DANIEL ROBSON

Position INSPECTOR

Date

17/07/23

Signature

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, Plessey Vale Business Park, Mansfield, Nottinghamshire NG19 8RL

NA/EICR/D001