

Electrical Installation Condition Report

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

Information for recipients:

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).

The person ordering the report should have received the Original©Report and the inspector should have retained a duplicate.

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.

Where the installation incorporates residual current devices (RCDs) there should be a notice at or near the devices stating that they should be tested every 6 months. **For safety reasons it is important that these instructions are followed.**

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 (licencing authority, insurance company, mortgage provider and the like) before the inspection was carried out.

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.

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.

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.

Where it has been stated in Section K that an observation requires further investigation code FI the inspection has revealed an apparent deficiency which may result on a code C1 or C2 could not, due to the extent or limitations of this 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).

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’ and on label at or near to the consumer unit/distribution board.

ELECTRICAL INSTALLATION CONDITION REPORT

FT/
EICR 4077000001031

for Domestic and Similar Premises up to 100 A

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

A. Details of the Installation

Client	Edmund Winder Watts	Installation	c/o Edmund Winder Watts
Address	Paradise House 35 Paradise Street SHEFFIELD	Address	54 - 84 Leatham Avenue ROTHERHAM
Postcode	S3 8PZ	Postcode	S61 1AD

B. Reason for Producing this Report *This form is to be used only for reporting on the condition of an existing installation.*

Report requested by the letting agent

Date(s) on which the inspection and testing were carried out to

C. Details of Installation which is the Subject of this Report

Description of premises Domestic Commercial Industrial Other (please specify)

Estimated age of the wiring system years

Evidence of alterations or addition Yes No Not apparent if 'Yes', estimated years

Records of installation available Yes No Records held by

Date of last inspection Electrical Installation Certificate No. or previous Inspection Report No.

D. Extent of Electrical Installation Covered by this Report:

The report covers the installation to the common areas of the building and car park bollard lights

Agreed Limitations and Operational Limitations (Regulations 653.2)

Any limitations are listed in the observations

Agreed with:

The inspection and testing detailed within this report and accompanying schedule has been carried out in accordance with BS 7671: 2018 (IET Wiring Regulations) amended to

It should be noted that cables concealed within 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)

The installation is in an adequate condition

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), Further investigation (code F1) 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 'Potential dangerous' (code C2) are acted upon 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/we recommend that the installation is further inspected and tested by (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	<input type="text" value="J D K Electrical"/>	Inspected and tested by	<input type="text" value="John Kilcoyne"/>	Authorised for issue by	<input type="text" value="John Kilcoyne"/>
Address	<input type="text" value="18 Chestnut Road, Sheffield,"/>	Name:	<input type="text" value="John Kilcoyne"/>	Signature:	<input type="text" value="John Kilcoyne"/>
Postcode	<input type="text" value="S26 4SN"/>	Signature:	<input type="text" value="John Kilcoyne"/>	Signature:	<input type="text" value="John Kilcoyne"/>
Branch No.	<input type="text" value="/"/>	Position:	<input type="text" value="Inspector"/>	Position:	<input type="text" value="Inspector"/>
Scheme No.	<input type="text" value="10657"/>	Date:	<input type="text" value="15/09/2022"/>	Date:	<input type="text" value="15/09/2022"/>

ELECTRICAL INSTALLATION CONDITION REPORT

FT/ 4077000001031
EICR

for Domestic and Similar Premises up to 100 A

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

H. Schedule(s)

1 schedule(s) of inspection and 1 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.

I. Supply Characteristics and Earthing Arrangements

Earthing Arrangements TN-S TN-C-S TT Other Please specify LIM

Number & Type of live conductors AC DC No. of phases 1 No. of wires 2

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 Confirmation of supply polarity

Prospective fault current, I_{pr} ⁽²⁾ 1.23 kA External loop impedance, Z_e ⁽²⁾ 0.19 Ω

Supply Protective Device BS (EN) LIM Type LIM Rated Current LIM A

No. of Additional Supplies N/A

J. Particulars of Installation Referred to in this Report

Details of installation Earth Electrode (where applicable) Type (e.g. rod(s), tape etc) Installation Earth Electrode

Location Electrode resistance to earth Ω Maximum Demand (load) 40 Amps KVA

Means of Earthing

Main Protective Conductors	Material	csa	(✓) or Value	(✓) or Value
Earthing Conductor	Copper	16	Continuity Verified <input checked="" type="checkbox"/>	Connection Verified <input checked="" type="checkbox"/>
Protective Bonding Conductor (to extraneous-conductive-parts)	N/A	N/A	Continuity Verified <input type="checkbox"/>	Connection Verified <input type="checkbox"/>

Main Supply Conductor Copper 25 (connection / continuity) (✓) or Value

Main Switch Location Understairs Water installation Ω To structural steel Ω

Fuse/device rating or setting 100 A Voltage rating 230 V Gas installation pipes Ω To lightning protection Ω

If RCD main switch: Rated residual operating current I_{Δn} N/A mA Oil installation pipes Ω Other Ω

BS(EN) 60947-3 No. of Poles 2 Current Rating 100 A Rated time delay N/A ms Measured operating trip time N/A 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 required without delay

Item No.	Observations	Code
1	The consumer unit is not up to current regulations	C3
2	Access control switch is poorly terminated, cables are short	C3
3	Poor cable management within the consumer unit	C3

One of the following 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	Danger present. Risk of Injury. Immediate remedial action required.	
C2	Potentially dangerous. Urgent remedial action required.	
C3	Improvement recommended.	1, 2, 3
F1	Further Investigation required without delay	

for Domestic and Similar Premises up to 100 A

Requirements for Electrical Installations
BS7671:2018+A2:2022 (IET Wiring Regulations 18th Edition)

Outcomes

Acceptable condition:	Unacceptable condition: State	Improvement recommended:	Further Investigation:	Not Verified:	Limitation:	Not Applicable:
	or					

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
1.0 External Condition Of Intake Equipment (Visual Inspection Only) Where inadequacies are encountered, it is recommended that the person ordering the report informs the appropriate authority		
1.1	Service cable	
1.2	Service head	
1.3	Earthing arrangement	
1.4	Meter tails	
1.5	Metering equipment	
1.6	Isolator (where present)	
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 arrangement (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 (543.3.2; 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 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 switches (functional check) (643.10)	
4.8	Manual operation of circuit-breakers and RCD(s) 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 overheating) (411.3.2; 411.4; 411.5; 411.6; 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 (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 RCBOs (411.4.204; 411.5.2; 531.2)	
4.19	RCD(s) provided for additional protection/requirements - includes RCBOs (411.3.3; 415.1)	
4.20	Confirmation of indication that SPD is functional (651.4)	
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 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. Integrity of containment (521.10.1)	
5.4.1	To include 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)	
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)	

for Domestic and Similar Premises up to 100 A

**Requirements for Electrical Installations
BS7671:2018+A2:2022 (IET Wiring Regulations 18th Edition)**

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 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	for 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 (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)	CB
5.21	Single-pole switching or protective devices in line conductors only (132.14.1, 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)	N/A
6.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)	N/A
6.3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535 (701.512.3)	N/A
6.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2018 (701.415.2)	N/A
6.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3 m from zone 1 (701.512.3)	N/A
6.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	N/A
6.7	Suitability of accessories and controlgear etc. for a particular zone (701.512.3)	N/A
6.8	Suitability of current-using equipment for particular position within the location (701.55)	N/A
7.0 Other Part 7 Special Installations Or Locations		
7.01	List all other special installation or locations, if any (record separately the results of particular inspections applied).	N/A

8.0 Schedule of Tests

Results to be recorded on Schedule of Test Results

8.1	External earth loop impedance, Z ^e	Yes
8.2	Installation earth electrode	N/A
8.3	Prospective fault current, I _{pf}	Yes
8.4	Continuity of Earth Conductors	Yes
8.5	Continuity of Circuit Protective Conductors	Yes
8.6	Continuity of ring final circuit	Yes
8.7	Continuity of Protective Bonding Conductors	Yes
8.8	Volt drop verified	Yes

8.9	Insulation Resistance between Live Conductors	Yes
8.10	Insulation Resistance between Live Conductors & Earth	Yes
8.11	Polarity (prior to energisation)	Yes
8.12	Polarity (after energisation) including phase sequence	Yes
8.13	Earth Fault Loop Impedance	Yes
8.14	RCDs/RCBOs including selectivity	Yes
8.15	Functional testing of RCD devices	Yes
8.16	Functional testing of AFDD(s) devices	N/A

Inspector's Name:
Date:

Signature:

ELECTRICAL INSTALLATION CONDITION REPORT - Schedule of Tests

for Domestic and Similar Premises up to 100 A

FT/ EICR **4077000001031**

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

Company Name J D K Electrical		Company Address 18 Chestnut Road		Postcode S26 4SN	Branch No.	Scheme No.	
Client Edmund Winder Watts		Installation Address c/o Edmund Winder Watts, 54 - 84 Leatham Avenue, ROTHERHAM			Postcode S61 1AD		
Distribution board details - Complete in every case				Complete only if the distribution board is not connected directly to the origin of the installation		Characteristics at this distribution board	
Location: Understairs		Supply to distribution board is from		Associated RCD(if any): BS (EN)		Above 30mA (if applicable)	
Designation: DB 1		Overcurrent protective device for the distribution circuit: BS(EN)		Operating at 1 IΔn		ms	
Num. of ways: 10		Type: [] Rating: [] A Voltage: [] V		Z _s [] Ω		30mA or below	
Num. of phases: 1		Supply polarity confirmed <input checked="" type="checkbox"/>		I _{pf} [] kA		Operating at 5 IΔn	
Phase sequence confirmed <input type="checkbox"/>				Time delay (if applicable) []		ms	
						Test instrument serial number(s)	
						Loop impedance: 101220584	
						Insulation resistance: 101220584	
						Continuity: 101220584	
						RCD: 101220584	

CIRCUIT DETAILS													TEST RESULTS																
Circuit No. and Line No.	Distribution board Designation	Type of wiring	Ref. method	No. of points	Circuit conductors csa (mm ²)		Maximum disconnection	Overcurrent protective devices			Breaking capacity (KA)	RCD operating (mA)	BS 7671 Max. permitted Zs Other (Ω)	Circuit impedance Ω						Insulation resistance (Record lower reading)			Polarity (✓)	Max. Measured Zs (Ω)	RCD testing		Manual test button operation		
					L/N	CPC		BS EN Number	Type No	Rating (A)				Ring final circuits only (measured end-to-end)			Fig 8 check (✓)	All circuits to be completed using R1R2 or R2, not both	Test voltage V	L/L, L/N M(Ω)	L/E, N/E M(Ω)	Above 30mA IΔn ms			30mA or below 5 IΔn ms	RCD (✓)	AFDO (✓)		
														r1	m	r2												R1 + R2	R2
					80%	80%		80%	80%	80%				80%	80%	80%	80%	80%	80%	80%	80%	80%			80%	80%	80%	80%	80%
1/S	TV Amp	A	100	1	2.5	1.5	0.4	60898 MCB	B	16	6	30	2.18	N/A	N/A	N/A	N/A	0.21	N/A	500	LIM	>99.9	✓	0.40	48.4	18.3	✓	N/A	
2/S	Cleaner Sockets	A	100	4	2.5	1.5	0.4	60898 MCB	B	16	6	30	2.18	N/A	N/A	N/A	N/A	0.86	N/A	500	LIM	>200	✓	1.05	48.4	18.3	✓	N/A	
3/S	Smoke Alarms	A	100	6	1.0	1.0	0.4	60898 MCB	B	6	6	30	5.82	N/A	N/A	N/A	N/A	1.42	N/A	500	LIM	>99.9	✓	1.61	48.4	18.3	✓	N/A	
4/S	Bollard Lights	D	100	11	1.5	1.0	0.4	60898 MCB	B	6	6	30	5.82	N/A	N/A	N/A	N/A	2.33	N/A	500	LIM	>99.9	✓	2.52	48.4	18.3	✓	N/A	
5/S	Door Entry	A	100	1	2.5	1.5	0.4	60898 MCB	B	6	6	30	5.82	N/A	N/A	N/A	N/A	0.06	N/A	500	LIM	>99.9	✓	0.25	28.9	13.5	✓	N/A	
6/S	Common area & Emergency Lights	A	100	26	1.5	1.0	0.4	60898 MCB	B	6	6	30	5.82	N/A	N/A	N/A	N/A	1.07	N/A	500	LIM	>99.9	✓	1.26	28.9	13.5	✓	N/A	
7/S	Blank	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	
8/S	Blank	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
9/S	Contacto	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
10/S	Blank	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

Details of circuits and/or installed equipment vulnerable to damage when testing Date(s) dead testing 15/09/2022 To 15/09/2022 Date(s) live testing 15/09/2022 To 15/09/2022

Tested by: Name (capital letters) JOHN KILCOYNE Position Inspector Date 15/09/2022 Signature John Kilcoyne

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, MW Metal Work, FM Ferrous Metal, O Other