

# ELECTRICAL INSTALLATION CONDITION REPORT

(Requirements for Electrical Installations – BS 7671  
IEE Wiring Regulations)

## DETAILS OF THE CLIENT

Name:

9

## PURPOSE FOR WHICH THIS REPORT IS REQUIRED

This report must be used only for reporting on the condition of an existing installation.

Wudford Certificate

Date(s): 9.11.20

## DETAILS OF THE INSTALLATION

Occupier:

Address:

Description of Premises:

Domestic ☒

Commercial

Industrial

Other

Estimated age of the Electrical Installation:

30

Years

Evidence of Alterations or Additions:

If "yes" estimated age:

Years

Date of previous inspection:

Electrical Installation Certificate No: or previous  
Periodic Inspection report No:

Records of installation available.

Records held by:

## EXTENT OF THE INSTALLATION AND LIMITATIONS OF THE INSPECTION AND TESTING

Extent of the Electrical Installation covered by this report:

All the installation, central heating not included

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

Client

Operational limitations including the reasons (see page No. )

35% from the installation.

This inspection has been carried out in accordance with BS 7671:2008, as amended. Cables concealed within trunking and conduits, or cables and conduits concealed under floors, in roof spaces and generally within the fabric of the building or under ground have not been inspected.

## SUMMARY OF THE CONDITION OF THE INSTALLATION

General condition of the installation (in terms of electrical safety):

The electrical installation is in working order but has coded defect, does not comply with current regulations

If necessary, continue on additional page(s)? No

Yes

Specify page

Overall assessment of the installation:

~~SATISFACTORY~~ / UNSATISFACTORY (Delete as appropriate)

An "Unsatisfactory" assessment indicates that dangerous and/or potentially dangerous conditions have been identified.

# OBSERVATION AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

Referring to the attached Schedules of Inspection and Test Results and subject to the limitations;

There are no item adversely affecting electrical safety,

or

The following observations and recommendations for

N/A are made

Item No

\*Code

Investigation required?

1 Consumer Unit made from combustible materials C3

2 Absence of RCD in 3 final circuits C2

3 Bathroom pump Cable exposed C3

Additional Pages? No Yes Specify page

\*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:

Code C1 "Danger Present". Risk of injury. Immediate remedial action required.

Code C2 "Potentially dangerous". Urgent remedial action required.

Code C3 "Improvement recommended".

Please see the notes for recipient for guidance regarding the Classification codes.

Immediate remedial action required for items:

Urgent remedial action required for items:

Further investigation required for items:

Improvement recommended for items:

2

1, 3

## DECLARATION

I/We, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my/our signature(s) below, particulars of which are described above, having exercised reasonable skill and care when carrying out the inspection and testing, hereby Certify that the information on 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 of the installation and the limitation of the inspection and testing.

I/We further declare that in my/our judgement, the said installation was overall in condition at the time of the inspection we carried out, and that it should be further inspected as recommended.

INSPECTION, TESTING AND ASSESSMENT BY:

REPORT REVIEWED AND CONFIRMED BY:

Signature:

Signature:

Name : (CAPITALS)

Name : (CAPITALS)

Position:

Electrician

(Registered Qualified Supervisor for the approved contractor at J)

Date:

9.11.20

Date:

## SCHEDULES AND ADDITIONAL PAGES

Schedule of Items Inspected Page No. 4,5,6,7

Additional pages, including additional source(s) data sheets: Page No(s):

Schedule of Circuit Details for the Installation: Page No(s): 8

Schedule of Test Results for the Installation: Page No(s):

The pages identified here form an essential part of this report. The report is valid only if accompanied by all the schedules and additional pages identified above.

## NEXT INSPECTION

We recommend that this installation is further inspected and tested after an interval of not more than 9 weeks

Provided that any items which have been attributed a Recommendation Code C1 and C2 (require urgent attention) are remedied without delay and as soon as possible respectively. Items which have been attributed a Recommendation Code C3 should be actioned as soon as practicable (see F).

## DETAILS OF ELECTRICAL CONTRACTOR

Trading Title:

Address: 2A The

Postcode:

Telephone number: 07760260574

Fax number:

Registration number

Branch number:

(If applicable)

## SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Tick boxes and enter details, as appropriate

System Type(s)	Number and Type of Live Conductors		Nature of Supply Parameters		Characteristics of Primary supply Overcurrent Protective Device(s)	
	AC	DC	Nominal Voltage U (1)		BS(EN)	Type
TN-S			230	V	1361	
TN-CS	1-phase (2 wire)	1-phase (3 wire)	Nominal frequency f (1)	50	Hz	II
TN-C	2-phase (3 wire)	3-phase (3 wire)	Prospective fault current (2/3)	2.6	kA	Rated current
TT	3-phase (4 wire)	2 pole	External earth fault loop impedance Z <sub>e</sub> (3/4)	0.09	Ω	Short-circuit capacity
IT	3 pole	other	Number of supplies	1		(3) where more than one supply, the higher or highest values
	Other (Please state)		NOTES:	(1) by enquiry (2) by enquiry or by measurement (4) by measurement		

## PARTICULARS OF INSTALLATION AT THE ORIGIN

Tick boxes and enter details, as appropriate

Means of earthing		Details Installation Earth Electrode (where applicable)	
Distributor's facility	<input checked="" type="checkbox"/>	Type: (eg rod(s), tape etc)	N/A
Installation earth electrode	N/A	Electrode resistance, R <sub>AN</sub>	N/A
		Location:	N/A
		Maximum Demand:	100 kVA
		Method of measurement:	N/A
		Protective measures against electric Shock:	
# Main Switch or Circuit Breaker		Earthing and Protective Bonding Conductors	
Type (BS(EN))	5419	Earth conductor	Conductor csa
No of Poles	2	Conductor material	Continuity check
Supply conductors: material	copper	Bonding of extraneous conductive parts (4)	
Supply conductors: csa	25 mm <sup>2</sup>	Gas service	Lighting
		Water service	Structural steel
		Oil service	Other service(s)
Voltage Rating	230 V		
Rated current I <sub>n</sub>	60 A		
RCD operating current I <sub>Δn</sub>	30 mA		
RCD operating time (at I <sub>Δn</sub> )	30 ms		

# INSPECTION SCHEDULE FOR DISTRIBUTION BOARDS AND CIRCUITS

Item	Description	Outcome*	Location reference
1.0	Condition/adequacy of distributor's supply intake equipment	/	
1.1	Service cable	/	
1.2	Service cut-out/fuse(s)	/	
1.3	Meter tails - distributor	/	
1.4	Meter tails - consumer	/	
1.5	Metering equipment	/	
1.6	Means of main isolation (where present)	/	
		N/A	
2.0	Presence of adequate arrangements for parallel or switched alternative sources		
3.0	Automatic disconnection of supply		
3.1	Main earthing and bonding arrangements		
	* Presence and condition of distributor's earthing arrangement	/	
	* Presence and condition of earth electrode arrangement	/	
	* Adequacy of earthing conductor size	/	
	* Adequacy of earthing conductor connections	/	
	* Accessibility of earthing conductor connections	/	
	* Adequacy of main protective bonding conductor size(s)	/	
	* Adequacy of main protective bonding conductor connections	/	
	* Accessibility of main protective bonding connections	/	
	* Provision of earthing/bonding labels at all appropriate locations	/	
3.2	FELV		
	* Source providing at least simple separation	N/A	
	* Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises	N/A	
3.3	Reduced low voltage		
	* Adequacy of source	/	
	* Plugs, socket-outlets and the like not interchangeable with those of other systems within the premises	N/A	
4.0	Other methods of protection (where the methods of protection listed below are employed, details should be provided on separate sheets)		
4.1	Double insulation	/	
4.2	Reinforced insulation	/	
4.3	Use of obstacles	/	
4.4	Placing out of reach	/	
4.5	Non-conducting location	/	
4.6	Earth-free local equipotential bonding	/	
4.7	Electrical separation for more than one item of equipment	/	
5.0	Distribution equipment		
5.1	Adequacy of working space/accessibility of equipment	/	
5.2	Security of fixing	/	
5.3	Condition of insulation of live parts	/	
5.4	Adequacy/security of barriers	/	
5.5	Condition of enclosure(s) in terms of IP rating	/	
5.6	Condition of enclosure(s) in terms of fire rating	/	
5.7	Enclosure not damaged/deteriorated so as to impair safety	/	
5.8	Presence of main switch(es), linked where required	/	

5.9	Operation of main switch(es) (functional check)	/
5.10	Correct identification of circuit protective devices	C3
5.11	Adequacy of protective devices for prospective fault current	C2
5.12	RCD(s) provided for fault protection – includes RCBOs	C2
5.13	RCD(s) provided for additional protection – includes RCBOs	C2
5.14	RCD(s) provided for protection against fire – includes RCBOs	C2
5.15	Manual operation of circuit-breakers and RCDs to prove disconnection	C2
5.16	Presence of RCD retest notice at or near equipment where required	N/A
5.17	Presence of diagrams, charts or schedules at or near equipment where required	C3
5.18	Presence of non-standard (mixed) cable colour warning notice at or near equipment where required	C3
5.19	Presence of alternative supply arrangement warning notice(s) at or near equipment where required	C3
5.20	Presence of replacement next inspection recommendation label	C3
5.21	Presence of other required labelling (specify)	N/A
5.22	Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating)	C3
5.23	Protection against mechanical damage where cables enter equipment	✓
5.24	Protection against electromagnetic effects where cables enter metallic enclosures	N/A
<b>6.0 Distribution/final circuits</b>		
6.1	Identification of conductors	C3
6.2	Cables correctly supported throughout their length	✓
6.3	Condition of insulation of live parts	✓
6.4	Non-sheathed cables protected by enclosure in conduit, duct or trunking	✓
6.5	Suitability of containment systems for continued use (including flexible conduit)	N/A
6.6	Cables correctly terminated in enclosures (indicate extent of sampling in Section D of report)	✓
6.7	Examination of cables for signs of unacceptable thermal and mechanical damage/deterioration	✓
6.8	Adequacy of cables for current-carrying capacity with regard to the type and nature of installation	✓
6.9	Adequacy of protective devices; type and rated current for fault protection	✓
6.10	Presence and adequacy of circuit protective conductors	✓
6.11	Co-ordination between conductors and overload protective devices	✓
6.12	Cable installation methods/practices appropriate to the type and nature of installation and external influences	✓
6.13	Cables where exposed to direct sunlight, of a suitable type	N/A
6.14	Concealed cables installed in prescribed zones (see extent and limitations)	
6.15	Concealed cables incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage caused by nails, screws and the like where not in prescribed zones or not protected by 30 mA RCD (see extent and limitations)	N/A
6.16	Provision of additional protection by 30 mA RCD for cables concealed in walls or partitions	C2
6.17	Provision of additional protection by 30 mA RCD	C2
	* Where reasonably likely to be used to supply mobile equipment for use outdoors	
	* For all socket-outlets of rating 20 A or less provided for use by ordinary persons	
6.18	Provision of fire barriers, sealing arrangements and protection against thermal effects	C3
6.19	Band II cables segregated/separated from Band I cables	
6.20	Cables segregated/separated from non-electrical services	
6.21	Termination of cables at enclosures (Identify numbers and locations of items inspected in Section D)	
	* Connections under no undue strain	
	No basic insulation of a conductor visible outside an enclosure	
	Connections of live conductors adequately enclosed	
	Adequacy of connection at point of entry to enclosure (gland, bush or similar)	
6.22	General condition of wiring systems	C3
6.23	Temperature rating of cable insulation	✓
6.24	Condition of accessories including socket-outlets, switches and joint boxes	✓
6.25	Suitability of accessories for external influences	✓
<b>7.0 Isolation and switching</b>		

<b>7.1 Isolations</b>	
* presence and condition of appropriate devices	N/A
* acceptable location	N/A
* capable of being secured in the OFF position	N/A
* correct operation verified	N/A
* clearly identified by position and/or durable marking(s)	N/A
* Warning label posted in situations where live parts cannot be isolated by the operation of a single device	
<b>7.2 Switching off for mechanical maintenance</b>	
* presence and condition of appropriate devices	/
* acceptable location	/
* capable of being secured in the OFF position	/
* correct operation verified	/
* clearly identified by position and/or durable marking(s)	/
<b>7.3 Emergency switching/stopping</b>	
* presence and condition of appropriate devices	N/A
* readily accessible for operation where danger might occur	N/A
* correct operation verified	N/A
* clearly identified by position and/or durable marking(s)	N/A
<b>7.4 Functional switching</b>	
* presence and condition of appropriate devices	/
* correct operation verified	/
<b>8.0 Current-using equipment (permanently connected)</b>	
8.1 Condition of equipment in terms of IP rating	/
8.2 Equipment does not constitute a fire hazard	/
8.3 Enclosure not damaged/deteriorated so as to impair safety	/
8.4 Suitability for the environment and external influences	/
8.5 Security of fixing	/
8.6 Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire (Indicate extent of sampling in Section D of report)	/
<b>8.7 Recessed luminaires (e.g. downlighters)</b>	
* correct type of lamps fitted	/
* installed to minimise build-up of heat by use of "fire rated" fittings, insulation displacement box or similar	/
* no signs of overheating to surrounding building fabric	/
* no signs of overheating to conductors/terminations	/
<b>9.0 Location(s) containing a bath or shower</b>	
9.1 Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA	N/A
9.2 Where used as a protective measure, requirements for SELV or PELV are met	N/A
9.3 Shaver sockets comply with BS EN 61558-2-5 or BS 3535	N/A
9.4 Presence of supplementary bonding conductors unless not required by BS 7671: 2008	/
9.5 Low voltage (e.g. 230 volts) socket-outlets sited at least 3 m from zone 1	N/A
9.6 Suitability of equipment for external influences for installed location in terms of IP rating	/
9.7 Suitability of equipment for installation in a particular zone	/
9.8 Suitability of current-using equipment for a particular position within the location	/
<b>10.0 Other Special Installations or locations</b>	
List special locations present, if any. List the results of particular inspections applied. - a separate page is required for each location	

\* All Boxes must be completed

Unacceptable condition state C1 or C2

Outcome

✓ Indicates Acceptable condition

Improvement recommended state C3

Provide additional comment where appropriate on attached numbered sheets. C1, C2 and C3 coded items to be recorded in section F of the report.

LIM indicates a limitation

Further investigation required state F/I  
(to determine whether danger or potential  
(danger exists)

N/A indicates Not applicable

### SCHEDULE OF ITEMS TESTED

✓	External earth loop impedance, Ze	✓	Basic protection against direct contact by barrier or enclosure provided during erection
✓	Installation earth electrode resistance, Ra	✓	Insulation of non-conducting floors or walls
✓	Continuity of protective conductors	✓	Polarity
✓	Continuity of ring circuit conductors	✓	Earth fault loop impedance Zs
✓	Insulation resistance between live conductors	N/A	Verification of phase sequence
✓	Insulation resistance between live conductors and earth	✓	Operation of residual current devices
✓	Protection by separation of circuits	✓	Functional testing of assemblies
		✓	Verification of voltage drop

### TEST INSTRUMENTS USED

Earth fault loop impedance

Megger MPT 1772

Insulation resistance

=

Continuity

=

RCD

Other

N/A

Other

N/A

### NOTES FOR RECIPIENT

#### THIS CERTIFICATE IS A VALUABLE DOCUMENT AND SHOULD BE RETAINED FOR FUTURE REFERENCE

This Electrical Installation Condition Report form is intended for the reporting on the condition of an existing electrical installation.

You should have received an original Certificate and the contractor should have retained a duplicate. If you were the person ordering this report, but not the owner of the installation, you should pass this Report, or a full copy of it, immediately to the user.

The original Report is to 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 Report will provide the new owner with the details of the condition of the electrical installation at the time the Report was issued.

The 'Extent and Limitations' box should fully identify the extent of the installation covered by this Report and any limitations on the inspection and tests. The contractor should have agreed these aspects with you and any interested parties (Licensing Authority, Insurance Company, Building Society etc) before the inspection was carried out.

The Report will usually contain a list of recommended actions necessary to bring the installation up to the current standard. For items classified as 'requires urgent attention', the safety of those using the installation may be at risk, and it is recommended that a competent person undertake the necessary remedial work without delay.

For safety reasons, the electrical installation will need to be inspected at appropriate intervals by a competent person. The maximum time interval recommended before the next inspection is stated in the Report under "Next Inspection."

DISTRIBUTION BOARD DETAILS									
DB ref.: <i>MR</i>	Z <sub>s</sub> at this board (Ω): <i>0.09</i>	I <sub>n</sub> at this board (KA): <i>2.6</i>	Main switch type BSEN reference: <i>5419</i>	Rating: <i>100</i> Amps	Supply conductors: <i>25</i> mm <sup>2</sup>	Earth: <i>16</i> mm <sup>2</sup>			
Distribution board location: <i>by the entrance</i>			Supplied from:		No. Of phases: <i>1</i>	Supply protective device type: <i>1361</i> BSEN reference:	Rating: <i>60</i> Amps		
CIRCUIT DETAILS					TEST RESULTS				

Circuit Reference	Circuit designation	Type of wiring	Reference method	Number of points served	Circuit conductors		Max. Disconnection time permitted (s)	Overcurrent devices			RCD	Maximum permitted Zs Ω	Circuit impedances Ω					Insulation resistance				Polarity	Maximum Measured Zs Ω	RCD	
					Live (mm²)	epo (mm²)		Type BS EN	Rating (A)	Short circuit capacity (KA)	IΔn mA		Ring final circuits only (Measured end to end)			All circuits (At least one column to be completed)		Phase /Phase M Ω	Phase /Neutral M Ω	Phase /Earth M Ω	Neutral /Earth M Ω			At IΔn ms	At 5 x IΔn ms
													r1	rn	r2	R1+R2	R2								
1	main	A	Typ	1	2.5	1.5	0.4	3871	20	6						0.18			4041	0.41	/	lin			
2	header	A	i	1	2.5	1.5	0.4	3871	20	6						0.21			4	1	/	lin			
3	header	A	2	1	2.5	1.5	0.4	3871	20	6						0.19			7	2	/	lin			
4	Blank																								
5	Blank																								
	RCD							4293	60															31.6	309
6	cooker	A	Typ	1	16	2.5	0.4	3871	45	6						0.21							0.31		
7	Ring	A	2	11	2.5	1.5	0.4	3871	30	6		0.67	0.61	0.71		0.69							0.25		
8	emersion heater	A	2	2	2.5	1.5	0.4	3871	20	6						0.14							0.26		
9	LIGHT / BATH pump	A	2	7	1.5	1	0.4	3871	5	10						0.39							0.48		