

# ELECTRICAL INSTALLATION CONDITION REPORT



A. Details of the Client/Person Ordering the Report	B. Reason for Producing this Report
Client: <input style="width: 90%;" type="text"/> Address: <input style="width: 90%; height: 60px;" type="text"/>	Purpose of this report: <input style="width: 90%; height: 40px;" type="text"/>  Date(s) on which Inspection: and testing was carried out <input style="width: 80%;" type="text"/>

C. Details of the Installation which is the Subject of this Report	D. Extent and Limitations Inspection and Testing																								
Installation: <input style="width: 90%;" type="text"/> Occupier: <input style="width: 90%;" type="text"/> Address: <input style="width: 90%; height: 40px;" type="text"/>  Record of Installation available: <input type="checkbox"/> Records held By: <input style="width: 80%;" type="text"/>	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Description of premises:</td> <td style="width:10%; text-align: center;">Domestic</td> <td style="width:10%; text-align: center;">Commercial</td> <td style="width:10%; text-align: center;">Industrial</td> </tr> <tr> <td></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td colspan="4">Other: <input style="width: 90%;" type="text"/></td> </tr> <tr> <td colspan="4">Estimated age of wiring system: <input style="width: 40%;" type="text"/> yrs</td> </tr> <tr> <td colspan="2">Evidence of alterations or additions: <input type="checkbox"/></td> <td colspan="2">If yes estimated Age <input style="width: 40%;" type="text"/> yrs</td> </tr> <tr> <td colspan="3">Date of previous inspection: <input style="width: 80%;" type="text"/></td> <td></td> </tr> </table>	Description of premises:	Domestic	Commercial	Industrial		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Other: <input style="width: 90%;" type="text"/>				Estimated age of wiring system: <input style="width: 40%;" type="text"/> yrs				Evidence of alterations or additions: <input type="checkbox"/>		If yes estimated Age <input style="width: 40%;" type="text"/> yrs		Date of previous inspection: <input style="width: 80%;" type="text"/>			
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E. Summary of the Condition of the Installation	F. Recommendations
General condition of the installations (In terms of electrical safety) <input style="width: 90%; height: 30px;" type="text"/>  Overall assessment of the installation <input style="width: 80%;" type="text"/> *An unsatisfactory assessment indicates that dangerous (code C1) and/or potentially dangerous (code C2) conditions have been identified.	Extent of Electrical Installation covered by this report: <input style="width: 90%; height: 30px;" type="text"/> Agreed limitations including the reasons (See regulation 653.2) <input style="width: 90%; height: 30px;" type="text"/> Operational Limitations including the reasons (See page No <input style="width: 40%;" type="text"/> ) <input style="width: 90%; height: 30px;" type="text"/>

This inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS7671:2018 (IET Wiring Regulations) as amended to July 2018. 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 between the client and inspector prior to the inspection. An inspection should be made within an accessible roof space housing other electrical equipment.

G. Declaration	H. Schedule(s)
We, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by 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 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.  Trading Title and address <input style="width: 90%; height: 40px;" type="text"/> Branch No. (If Applicable) <input style="width: 80%;" type="text"/>  Inspected and tested by: Name <input style="width: 25%;" type="text"/> Position <input style="width: 25%;" type="text"/> Signature <input style="width: 25%;" type="text"/> Date <input style="width: 25%;" type="text"/> Report authorised for issue by: Name <input style="width: 25%;" type="text"/> Position <input style="width: 25%;" type="text"/> Signature <input style="width: 25%;" type="text"/> Date <input style="width: 25%;" type="text"/>	The attached schedule(s) are part of this document and this report is valid only when they are attached to it. <input style="width: 30%;" type="text"/> Schedule(s) of inspection and <input style="width: 30%;" type="text"/> Schedule(s) of test results are attached

I. Supply Characteristics and Earthing Arrangements				Nature of Supply Parameters		Supply protective device						
Earthing Arrangements		Number and Type of Live Conductors										
TN-S	<input type="checkbox"/>	a.c.	<input type="checkbox"/>	d.c.	<input type="checkbox"/>	Nominal Voltage	$U^{(1)}$	<input type="text"/>	V	BS(EN)	<input type="text"/>	
TN-C-S	<input type="checkbox"/>	1-Phase (2 wire)	<input type="checkbox"/>	1-Phase (3 wire)	<input type="checkbox"/>	2 Wire	<input type="checkbox"/>	Nominal Voltage	$U_0^{(1)}$	V	<input type="text"/>	
TN-C	<input type="checkbox"/>	2-Phase (3 wire)	<input type="checkbox"/>	3 Wire	<input type="checkbox"/>	Nominal frequency	$f^{(1)}$	<input type="text"/>	Hz	Type	<input type="text"/>	
TT	<input type="checkbox"/>	3-Phase (3 wire)	<input type="checkbox"/>	3-Phase (4 wire)	<input type="checkbox"/>	Other	<input type="checkbox"/>	Prospective fault current	$I_{pf}^{(2)}$	kA	<input type="text"/>	
IT	<input type="checkbox"/>	Other	<input type="text"/>			External loop impedance	$Z_e^{(2)}$	<input type="text"/>	$\Omega$	Nominal current rating	<input type="text"/>	A
Confirmation of supply polarity				<input type="checkbox"/>		Number of supplies	<input type="text"/>			Short circuit capacity	<input type="text"/>	kA
						(Note: (1) by enquiry, (2) by enquiry or by measurement)						

J. Particulars of Installation Referred to in the Report			
Means of earthing		Details of installation Earth Electrode (where applicable)	
Distributor's facility	<input type="checkbox"/>	Type (e.g. rod(s), tape etc.)	<input type="text"/>
Installation earth electrode	<input type="checkbox"/>	Resistance to Earth	<input type="text"/>
		Location	<input type="text"/>
		Method of measurement	<input type="text"/>

Main Protective Conductors				Tick boxes and enter details as applicable					
Earthing Conductor	Material	<input type="text"/>	csa	<input type="text"/>	mm <sup>2</sup>	Continuity Verified	<input type="checkbox"/>	Connection Verified	<input type="checkbox"/>
Main protective bonding conductors	Material	<input type="text"/>	csa	<input type="text"/>	mm <sup>2</sup>	Continuity Verified	<input type="checkbox"/>	Connection Verified	<input type="checkbox"/>
Bonding of Incoming Service						Maximum Demand (Load)			
Water installation pipes	<input type="checkbox"/>	Gas installation pipes	<input type="checkbox"/>	Structural Steel	<input type="checkbox"/>	Lightning protection	<input type="checkbox"/>	<input type="text"/>	
Oil installation pipes	<input type="checkbox"/>	Please State				Protective measure(s) against electric shock			
		Other incoming service(s)	<input type="text"/>	<input type="text"/>					

Main Switch / Switch-Fuse / Circuit-Breaker / RCD								
Location	<input type="text"/>			Current rating	<input type="text"/>	A	if RCD main switch	
Type BS(EN)	<input type="text"/>	No of poles	<input type="text"/>	Fuse/Device rating or setting	<input type="text"/>	A	Rated residual operation current, $I_{\Delta n}$	<input type="text"/>
Supply Conductors material	<input type="text"/>	Supply Conductors csa	<input type="text"/>	Voltage rating	<input type="text"/>	V	Rated time delay	<input type="text"/>
							RCD Operating time at, $I_{\Delta n}$	<input type="text"/>

K. Observations		
Referring to the attached schedule(s) of Inspection and Test Results, and subject to the limitations specified at the Extent and Limitations of the Inspection and testing section.		
No remedial action is required. <input type="checkbox"/> The following observations are made <input type="checkbox"/>		
Item No	Observations	Code
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
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 remedial action required	<input type="text"/>	
C2 - Potentially dangerous - urgent remedial action required	<input type="text"/>	
C3 - Improvement recommended	<input type="text"/>	
FI - Further investigation required without delay	<input type="text"/>	

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

Note: this form is suitable for many types of smaller installations not exclusively domestic.

Outcomes	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A
Item No	Description										Outcome	Comments		
<b>1.0</b>	<b>External condition of intake equipment (visual inspection only)</b>													
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)													
<b>2.0</b>	<b>Presence of adequate arrangements for other sources</b>													
2.1	Presence of alternative/additional supply warning notices at the origin of the installation													
<b>3.0</b>	<b>Earthing and bonding arrangements</b>													
3.1	Presence and condition of distributor's earthing arrangement													
3.2	Presence and condition of earth electrode connection, where appropriate													
3.3	Confirmation of earthing conductor size													
3.4	Accessibility and condition of earthing conductor at Main Earthing Terminal (MET)													
3.5	Confirmation of main protective bonding conductor sizes													
3.6	Condition and accessibility of main protective bonding conductor connections													
3.7	Condition and accessibility of other protective bonding connections													
3.8	Provision of earthing and bonding labels at all appropriate locations													
<b>4.0</b>	<b>Consumer unit(s)/ Distribution board(s)</b>													
4.1	Adequacy of working space/accessibility to consumer unit/ distribution board													
4.2	Security of fixing													
4.3	Condition of enclosure(s) in terms of IP rating													
4.4	Condition of enclosure(s) in terms of fire rating													
4.5	Enclosure not damaged/deteriorated so as to impair safety													
4.6	Presence of linked main switch													
4.7	Operation of main switch(es) (functional check)													
4.8	Operation of main switch (functional), main switch capable of being secured in the OFF position													
4.9	Manual operation of circuit breakers and RCDs to prove disconnection (functional check)													
4.10	Correct identification of circuits and protective devices													
<b>4.11</b>	<b>Presence of required charts and labels:</b>													
4.11.1	Provision of diagram, chart, table or equivalent forms of information													
4.11.2	Warning notice of durable material indicating there are live parts which are not capable of being isolated by a single device													
4.11.3	Periodic inspection notice positioned at or near the origin of the installation													
4.11.4	Presence of RCD six-monthly test notice at or near consumer unit/distribution board													
4.11.5	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit/distribution board													
4.11.6	Presence of other required labelling provided													
4.12	Compatibility of protective device(s), base(s) and other components; correct type and rating (no signs of unacceptable thermal damage, arcing or overheating)													
4.13	Single-pole switching or protective devices in the line conductors only													
4.14	Protection against mechanical damage where cables enter consumer unit/ distribution board													
4.15	Protection against electromagnetic effects where cables enter metallic consumer unit enclosure													
4.16	RCDs provided for fault protection - includes RCBOs													
4.17	RCDs provided for additional protection includes RCBOs													
4.18	Confirmation of indication that SPD is functional													
4.19	Operation/adequacy of AFDD(s) where present													
4.20	Confirmation that conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure													
4.21	Adequate arrangements where a generating set operates as a switched alternative to the public supply													
4.22	Adequate arrangements where a generating set operates in parallel with the public supply													

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

Note: this form is suitable for many types of smaller installations not exclusively domestic.

Outcomes	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A
Item No	Description										Outcome	Comments		
<b>5.0</b>	<b>Distribution/final circuits</b>													
5.1	Identification of conductors													
5.2	Cables correctly supported throughout													
5.3	Condition of insulation of live parts													
5.4	Non-sheathed live conductors protected by enclosure in conduit, ducting or trunking (including confirmation of the integrity of conduit and trunking systems)													
5.5	Adequacy of cables for current-carrying capacity with regard to the type and nature of installation													
5.6	Protective devices, type and rated current are suitable for fault protection													
5.7	Presence and adequacy of circuit protective conductors													
5.8	Co-ordination between conductors and overload protection devices													
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences													
5.10	Cables adequately protected against mechanical damage and abrasion													
<b>5.11</b>	<b>Provision of additional protection by 30 mA RCD for*:</b>													
5.11.1	- all socket-outlets with a rated current not exceeding 32 A													
5.11.2	- mobile equipment not exceeding a rating of 32 A for use outdoors													
5.11.3	- cables concealed in walls/partitions at a depth of less than 50 mm													
5.11.4	- cables concealed in walls/partitions containing metal parts regardless of depth													
5.11.5	- all AC final circuits supplying luminaires within domestic household premises													
	<b>*Note: Older installations designed prior to BS 7671:2018 may not have been provided with RCDs for additional protection.</b>													
5.12	Provision of fire barriers, sealing arrangements and protection against thermal effects													
5.13	Band II cables segregated/separated from Band I cables													
5.14	Cables segregated/separated from communications cabling													
5.15	Cables segregated/separated from non-electrical services													
<b>5.16</b>	<b>Termination of cables at enclosures:</b>													
5.16.1	Connections soundly made and under no undue strain													
5.16.2	No basic insulation of a conductor visible outside enclosure													
5.16.3	Connection of live conductors adequately enclosed													
5.16.4	Adequately connected at point of entry to enclosure													
5.17	Condition of accessories including socket-outlets, switches and joint boxes is satisfactory													
5.18	Suitability of accessories for external influences													
5.19	Adequacy of working space/accessibility to equipment													
5.20	Single-pole switching or protective devices in line conductors only													
<b>6.0</b>	<b>Isolation and switching</b>													
<b>6.1</b>	<b>In general:</b>													
6.1.1	Presence and condition of appropriate devices													
6.1.2	Correct operation verified													
<b>6.2</b>	<b>For isolation and switching for mechanical maintenance only:</b>													
6.2.1	Capable of being secured in the OFF position where appropriate													
6.2.2	Acceptable location (local/remote)													
6.2.3	Clearly identified by position and/or durable marking(s)													
<b>6.3</b>	<b>For isolation only:</b>													
6.3.1	Warning label(s) posted in situations where live parts cannot be isolated by the operation of a single device													
<b>7.0</b>	<b>Current-using equipment (permanently connected)</b>													
7.1	Condition of equipment in terms of IP rating													
7.2	Equipment does not constitute a fire hazard													
7.3	Enclosure not damaged/deteriorated so as to impair safety													
7.4	Suitability for the environment and external influences													
7.5	Security of fixing													
7.6	Cable entry holes in ceiling above luminaires sized or sealed so as to restrict the spread of fire													
	List number and location of luminaires inspected in section 9													





