

Inside out Services  
45 Ray Lea Road  
Maidenhead  
SL6 8QG

## ELECTRICAL INSTALLATION CONDITION REPORT

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

ELECA REG NO. 61986

**A. DETAILS OF THE PERSON ORDERING THE REPORT**

Name: Mr Karl Clouden

Address: Unit 10, The Court Yard, Eastern Road, Bracknell, RG12 2XB

**B. REASON FOR PRODUCING THIS REPORT**

Purpose for which this report is required: Electrical Certificate of installation has expired.

Date(s) on which the inspection and testing was carried out: 12<sup>th</sup> March 2022**C. DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT**

Occupier: Plastor Ltd

Address: Unit 10, The Court Yard, Eastern Road, Bracknell, RG12 2XB

Description of premises : Domestic  Commercial  Industrial  Other, please specify : 

Estimated age of the wiring system 20 Years Evidence of additions or alterations ? Yes If yes, estimated age 1 Years

Installation records available ? (Regulation 651.1) Yes (yes/no) Date of last inspection: 02/04/19 (date)

**D. EXTENT AND LIMITATIONS OF INSPECTION AND TESTING**

Extent of the electrical installation covered by this report Test was limited to access point of wiring and entering ceiling voids.

Agreed limitations including the reasons, see Regulations 653.2

No wiring running through ceiling voids. No testing of current sensitive equipment.

Agreed with: Mr Karl Clouden

Operational limitations including the reasons

Circuits which are vulnerable to high voltage damage, circuits 4/L2, 6/L2,1/L2, 11/L3 11/L1, 1

See page No: 7

The inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS 7671:2018 (IET Wiring Regulations)

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.

**E. SUMMARY OF THE CONDITION OF THE INSTALLATION**

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

At time of inspection the installation was found to be in a safe condition. However, additional protection of 30ma RCD is not provided for sockets out lets

Overall assessment of the installation in terms of it's suitability for continued use: Satisfactory (ENTER SATISFACTORY/UNSATISFACTORY)

\* An unsatisfactory assessment indicates that dangerous (code C1) and/or potentially dangerous (code C2) conditions have been identified.

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**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: 11/03/28 (Date)

G. DECLARATION		This form and it's design are the copyrights of NATIONALCERTS ©	
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 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.			
Inspected and tested by:		Report authorised for issue by:	
Name (Capitals)	Mr Vincent Austin-Bush	Name (Capitals)	Mr Vincent Austin-Bush
Signature		Signature	
For/on behalf of	Inside out services	For/on behalf of	Inside out services
Position	Qualified supervisor	Position	Qualified supervisor
Address	45 Ray Lea Road, Maidenhead, Berkshire, SL68QG	Address	45 Ray Lea Road, Maidenhead, Berkshire, SL68QG
Date	11 <sup>th</sup> March 2022	Date	12 <sup>th</sup> March 2022

H. SCHEDULE(S)	
Number of schedule(s) of inspection	7 (Enter Number) and number of schedules of test results attached 2 (Enter Number)
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	Number and types of live conductors		Nature of Supply Parameters			Supply Protective Device
TN-C	A.C	√	D.C	Nominal voltage, U/ U <sub>0</sub> <sup>(1)</sup>	415 V	BS (EN) 1361 Fuse HBC
TN-S	1-phase 2 wire		2-wire	Nominal frequency, f <sup>(1)</sup>	50 Hz	Type 2
TN-C-S	√	2-phase 3 wire	3-wire	Prospective fault current, I <sub>pr</sub> <sup>(2)</sup>	2 kA	Rated current 100 A
TT		3-phase 3 wire	Other	External loop impedance, Z <sub>e</sub> <sup>(2)</sup>	0.19 Ω	Certificate Design © NationalCerts 2018
IT		3-phase 4 wire	√			
Confirmation of supply polarity			√	Other sources of supply (as detailed on attached schedule)		N/A

J. PARTICULARS OF INSTALLATION REFERRED TO IN THE REPORT						
Means of Earthing	Maximum Demand					
	Maximum demand (load)	100	Amps			
Distributor's facility	√	Details of installation Earth Electrode (where applicable)				
Installation earth electrode	Type (e.g rod(s), tape, etc)	N/A	Location	Electrode resistance to Earth	N/a	Ω

MAIN PROTECTIVE CONDUCTORS								
Earthing conductor	Material	Copper	csa	16	mm <sup>2</sup>	Connection/continuity verified	√	
Main protective bonding conductors	Material	Copper	csa	10	mm <sup>2</sup>	Connection/continuity verified	√	
Bonding to extraneous conductive parts	To water pipes	√	To gas pipes	√	To oil pipes	N/A	To lightning protection	N/A
	To structural steel	N/A	To other	Specif				

MAIN SWITCH / SWITCH-FUSE / CIRCUIT-BREAKER / RCD				If RCD main switch		
Location	Electrical room on stairs	Current rating	100 A	Rated residual operating current (I <sub>Δn</sub> )	N/a	mA
BS(EN)	BS EN 60947-2 MCB Type C	Fuse/ device rating or setting	100 A	Rated time delay	N/a	mA
No of poles		Voltage rating	230 V	Measured operating time	N/a	mA
				Conductor	Copper	csa 25 mm <sup>2</sup>

## K. CONDITION REPORT INSPECTION SCHEDULE

**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 required – state FI	Limitation: LIM	Not Applicable: N/A	Not verified N/V
ITEM	DESCRIPTION				OUTCOME	ADDITIONAL COMMENT	
<b>1.0</b>	<b>EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTION ONLY)</b>						
1.1	Service cable				✓		
1.2	Service head				✓		
1.3	Distributor's earthing arrangement				✓		
1.4	Meter tails - Distributor/Consumer				✓		
1.5	Metering equipment				✓		
1.6	Means of main isolation (where present)				N/A		
<b>2.0</b>	<b>PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES SUCH AS MICROGENERATORS (551.6; 551.7)</b>						
2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply				N/A		
2.2	Adequate arrangements where a generating set operates in parallel with the public supply				N/A		
<b>3.0</b>	<b>EARTHING/BONDING ARRANGEMENTS (411.3; CHAP 54)</b>						
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)				N/A		
3.3	Provision of earth/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 (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)				N/A		
3.8	Accessibility and condition of other protective bonding connections (543.3.1; 543.3.2)				N/A		
<b>4.0</b>	<b>CONSUMER UNIT(S)/DISTRIBUTION BOARD(S) <span style="float: right; font-size: small;">This form and it's design are the copyrights of NATIONALCERTS ©</span></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)				✓		
4.5	Enclosure not damaged/deteriorated so as to impair safety (651.2)				✓		
4.6	Presence of linked main switch (as required by 461.1.201)				✓		
4.7	Operation of main switch ( <i>functional check</i> ) (643.10)				✓		
4.8	Manual operation of circuit-breakers and RCDs to prove disconnection (643.10) ( <i>functional check</i> )				✓		
4.9	Correct identification of circuits 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/db (514.14)				✓		
4.12	Presence of alternative supply warning notice at or near consumer unit/distribution board (514.15)				N/A		
4.13	Presence of other required labelling ( <i>please specify</i> ) (Section 514)				N/A		
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; Sections 432, 433)				N/A		
4.15	Single-pole switching or protective devices in the line conductors only (132.14.1; 530.3.2)				✓		
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/enclosure (521.5.1)				✓		

## K. CONDITION REPORT INSPECTION SCHEDULE (Continued)

OUTCOMES:	Acceptable Condition ✓	Unacceptable condition – state C1 or C2	Improvement recommended – state C3	Further investigation required – state F/I	Limitation: LIM	Not Applicable: N/A
ITEM	DESCRIPTION				OUTCOME	ADDITIONAL COMMENT
4.18	RCDs provided for fault protection – includes RCBOs (411.4.204; 411.5.2; 531.2)				C3	
4.19	RCDs provided for additional protection – includes RCBOs (411.3.3; 415.1)				C3	
4.20	Confirmation of indication that SPD is functional (651.4)				N/A	
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)				N/A	
4.23	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)				N/A	
5.0	<b>FINAL CIRCUITS</b>					
5.1	Identification of conductors (514.3.1)				✓	
5.2	Cables correctly supported throughout their run (522.8.5; 522.10.202)				✓	
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 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)				✓	
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 protection by RCD not exceeding 30mA:					
-	For all socket-outlets of rating 32 A or less, unless an exception is permitted (411.3.3)				c3	
-	For the supply of mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)				C3	
-	For cables concealed in walls at depth of less than 50mm (522.6.202.203)				LIM	
-	For cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203)				LIM	
-	Final circuits supplying luminaires within domestic (household) premises (411.3.4)				N/A	
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)					
-	• connections soundly made and under no undue strain (526.6)				✓	
-	• no basic insulation of a conductor visible outside enclosure (526.8)				✓	
-	• connections of live conductors adequately enclosed (526.5)				✓	
-	• adequately connected at point of entry to enclosure ( <i>glands, bushes etc.</i> ) (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 protection devices in line conductors only (132.14.1, 530.3.2)				✓	





# CONDITION REPORT. GUIDANCE FOR RECIPIENTS.

This report is an important and valuable document which should be retained for future reference.  
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This Report form is for reporting on the condition of an existing electrical installation.

1. The purpose of this condition report is to confirm, so far as reasonably practicable, whether or not the electrical installation is in a satisfactory condition for continued service. The report should identify any damage, deterioration, defects and/or conditions which may give rise to danger.
2. The person ordering the Report should have received the original Report and the inspector should have retained a duplicate.
3. 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.
4. Where the installation incorporates residual current devices (RCDs) there should be a notice at or near the devices stating that they should be tested quarterly. For safety reasons it is important that these instructions are followed.
5. 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 (licensing authority, insurance company, mortgage provider and the like) before the inspection was carried out.
6. 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.
7. For items classified as C1 ("Danger Present"), the safety of those using the installation is at risk, and it is recommended that an electrically skilled or electrically instructed person undertakes the necessary remedial work immediately.
8. For items classified as C2 ("Potentially Dangerous"), the safety of those using the installation may be at risk and it is recommended that an electrically skilled or electrically instructed person undertakes the necessary remedial work as a matter of urgency.
9. Where it has been stated that an observation requires further investigation the inspection has revealed an apparent deficiency which 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.
10. For safety reasons, the electrical installation will need to be re-inspected at appropriate intervals by an electrically skilled or electrically instructed person. The recommended date by which the next inspection is due is stated in Section F of the Report under 'Recommendations' and on a label near to the consumer unit or distribution board.

# CONDITION REPORT.

## Notes for the person producing the Report:

This report is an important and valuable document which should be retained for future reference.  
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1. This Report should only be used for the reporting on the condition of an existing electrical installation.
2. The Report, normally comprising at least seven pages, should include schedules of both the inspection and the test results. Additional pages may be necessary for other than a simple installation and for the "guidance for recipients" The number of each page should be indicated, together with the total number of pages involved.
3. The reason for producing this Report, such as change of occupancy or landlord's periodic maintenance, should be identified in Section B.
4. The maximum prospective fault current (Ipf) recorded should be the greater of either the short-circuit current or the earth fault current.
5. Those elements of the installation that are covered by the Report and those that are not should be identified in Section D (Extent and Limitations). These aspects should have been agreed with the person ordering the report and other interested parties before the inspection and testing is carried out. Any operational limitations, such as inability to gain access to parts of the installation or an item of equipment, should also be recorded in Section D.
6. The summary of condition of the installation in terms of safety should be clearly indicated. Observation(s), if any, should be categorised using the coding C1 to C3 as appropriate. Any observation given a C1 or C2 classification should result in the overall condition of the installation being reported as unsatisfactory.
7. Where an installation has an alternative source of supply, a further schedule of supply characteristics and earthing details should be provided.
8. Where an observation requires further investigation because the inspection has revealed an apparent deficiency which could not, owing to the extent or limitations of this inspection, be fully identified, this should be indicated in the column headed "Further investigation required".
9. The date by which the next electrical installation condition report is required should be given in Section F. The interval between inspections should take into account the type and usage of the installation and its overall condition.
10. If the space available for observations is insufficient, additional pages should be provided as necessary.
11. Wherever practicable, items classified as 'Danger present' (C1) should be made safe on discovery. Where this is not practical the owner or user should be given written notification as a matter of urgency.