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528748

DPN18

DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT

Small installations up to 100 A single phase supply

Issued in accordance with BS 7671: 2018 – Requirements for Electrical Installations

PART 1 : DETAILS OF THE CONTRACTOR, CLIENT AND INSTALLATION

DETAILS OF THE CONTRACTOR

Registration No: 60950 Branch No: 3000
Trading Title: R.C. ELECTRICAL CONTRACTORS LTD
Address: 365, CANFORD LAKE, HAYES
Postcode: UB35HA Tel No: 07798833956

DETAILS OF THE CLIENT

Contractor Reference Number (CRN):
Name: MR. SANJEEV KHURANA
Address:
Postcode: Tel No:

DETAILS OF THE INSTALLATION

Occupier: Empty Property
Address: 1 ALEXANDER GONS.
HODDINGLOW
Postcode: TW34HT Tel No:

PART 2 : PURPOSE OF THE REPORT

Purpose for which this report is required: Landlords Safety Check and test

Date(s) when inspection and testing was carried out: () Records available: () Previous inspection report available: () Previous report date: ()

PART 3 : SUMMARY OF THE CONDITION OF THE INSTALLATION

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

Estimated age of electrical installation: (50) years Evidence of additions or alterations: (yes)

Overall assessment of the installation is: **Satisfactory/Unsatisfactory*** (delete as appropriate)

PART 4 : DECLARATION

INSPECTION AND TESTING

I, being the person responsible for the inspection and testing of the electrical installation, particulars of which are described in PART 7, having exercised reasonable skill and care when carrying out the inspection and testing of the existing installation, hereby CERTIFY that the information in this report, including the observations (page 2) 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 limitations on the inspection and testing.

Name (capital): R. CHADHA

Signature: [Signature]

Date: 24/1/22

REVIEWED BY QUALIFIED SUPERVISOR

Name (capital): R. CHADHA

Signature: [Signature]

Date: 26/1/22

*An unsatisfactory assessment indicates that dangerous (CODE C1) and/or potentially dangerous (CODE C2) conditions have been identified in PART 6, or that Further Investigation (CODE FI) without delay is required.



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I/We (as indicated on page 1) recommend that subject to the necessary remedial work being taken, this installation should be further inspected and tested after an interval of not more than 5 years/~~months~~* (delete as appropriate)

Give reason for recommendation:

PART 6: OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

[illegible]

**The proposed date for the next inspection should take into consideration any legislative or licensing requirements and the frequency and quality of maintenance that the installation can reasonably be expected to receive during its intended life. The period should be agreed between relevant parties.*



APPROVED
CONTRACTOR

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PART 7 : DETAILS AND LIMITATIONS ON THE INSPECTION AND TESTING

The inspection and testing has been carried out in accordance with BS 7671: 2018, as amended. Cables concealed within trunking and conduits, or cables and conduits concealed under floors, in inaccessible roof spaces and generally within the fabric of the building or underground, have not been visually inspected unless specifically agreed between the Client and the Inspector prior to inspection.

Details of the installation covered by this report: lighting and power

Agreed limitations including the reasons, if any, on the inspection and testing: wire cables under floors/walls not checked (see additional page No.)

Agreed with (print name):

Extent of sampling (inspection only): 90% (see additional page No.)

Operational limitations including the reasons: wire cables under floors & walls not checked (see additional page No.)

PART 8 : SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System type and earthing arrangements

TN-C-S: (.....) TN-S: (.....) TT: (.....)

Other (state):

Supply protective device

(BS (EN) BS 88)

Type: (.....) Rated current: (100) A

Number and type of live conductors

AC 1-phase, 2-wire: (.....)

Other (state):

Confirmation of supply polarity: (.....)

Other sources of supply (as detailed on attached schedule) Page No.(.....)

Nature of supply parameters

Nominal line voltage to Earth, U_0 : 230 V

Nominal frequency, f : (50) Hz

Prospective fault current, I_{pf} (1)*: (0.87) kA

External loop impedance, Z_e (1)*: (0.22) Ω

(1) By enquiry, measurement, or by calculation

PART 9 : PARTICULARS OF INSTALLATION REFERRED TO IN THIS REPORT

Means of Earthing

Distributor's facility: (.....)

Installation earth electrode: (.....)

Where an earth electrode is used insert

Type – rod(s), tape, etc: (.....)

Location: (.....)

Electrode resistance to Earth: (.....) Ω

Main protective conductors

Earthing conductor:

(material: Copper csa 16 mm²)

Connection / continuity verified: (.....)

Main protective bonding conductors:

(material: Copper csa 10 mm²)

Connection / continuity verified: (.....)

Main protective bonding connections

Water installation pipes: (.....)

Gas installation pipes: (.....)

Structural steel: (.....)

Oil installation pipes: (.....)

Lightning protection: (.....)

Other (state):

Main switch / Switch-fuse / Circuit-breaker / RCD

Type: (BS (EN) 61439)

Location: (under stairs)

No. of poles: (2)

Current rating: (100) A

Rating / setting of device: (1.50) A

Voltage rating: (230) V

Where an RCD is used as the main switch

RCD rated residual operating current, $I_{\Delta n}$: (N/A)

Measured operating time: (.....) ms

Rated time delay: (.....) ms

*Where the installation is supplied by more than one source, the higher or highest values of prospective fault current, I_{pf} , and external earth fault loop impedance, Z_e , must be recorded.

All fields must be completed. Enter either, as appropriate: '✓' if Acceptable condition; 'N/A' if Not applicable; 'LIM' if a Limitation exists; or Code appropriately – CODE 'C1', 'C2', 'C3' or 'FI' (codes to be recorded in PART 6, with additional comments (where appropriate) on attached numbered sheets)

This report is based on the model forms shown in Appendix 6 of BS 7671

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Original (to the person ordering the work)

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PART 10 : SCHEDULE OF ITEMS INSPECTED

1. External condition of intake equipment (visual inspection only) (If inadequacies are identified with the intake equipment, it is recommended the person ordering the report informs the appropriate authority)			
1.1 Service cable:	(✓.....)		4.15 Protection against electromagnetic effects where cables enter metallic consumer unit / enclosure: (✓.....)
1.2 Service head:	(✓.....)		4.16 RCDs provided for fault protection – includes RCBOs: (✓.....)
1.3 Earthing arrangement:	(✓.....)		4.17 RCDs provided for additional protection – includes RCBOs: (✓.....)
1.4 Meter tails:			4.18 Confirmation of indication that SPD is functional: (N/A.....)
a) Cutout fuse to meter	(✓.....)		4.19 Adequacy of AFDD(s), where specified: (N/A.....)
b) Meter to consumer unit	(✓.....)		4.20 Confirmation that conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure: (✓.....)
1.5 Metering equipment:	(✓.....)		
1.6 Isolator (where present):	(.....)		5. Distribution / final circuits
2. Presence of adequate arrangements for other sources			5.1 Identification of conductors: (✓.....)
2.1 Adequate arrangements where a generating set operates as a switched alternative to the public supply:	(N/A.....)		5.2 Cables correctly supported throughout: (✓.....)
2.2 Adequate arrangements where generating set operates in parallel with the public supply:	(N/A.....)		5.3 Condition of insulation of live parts: (✓.....)
2.3 Presence of alternative / additional supply warning notices:	(N/A.....)		5.4 Non-sheathed live conductors protected by enclosure in conduit, ducting or trunking (including confirmation of the integrity of conduit and trunking systems): (N/A.....)
3. Earthing and bonding arrangements			5.5 Adequacy of cables for current-carrying capacity with regard to the type and nature of installation: (✓.....)
3.1 Presence and condition of distributor's earthing arrangement:	(✓.....)		5.6 Adequacy of protective devices; type and rated current for fault protection: (✓.....)
3.2 Presence and condition of earth electrode connection, where appropriate:	(N/A.....)		5.7 Presence and adequacy of circuit protective conductors: (✓.....)
3.3 Confirmation of adequate earthing conductor size:	(✓.....)		5.8 Co-ordination between conductors and overload protection devices: (✓.....)
3.4 Accessibility and condition of earthing conductor at Main Earthing Terminal (MET):	(✓.....)		5.9 Wiring system(s) appropriate for the type and nature of the installation and external influences: (✓.....)
3.5 Confirmation of adequate main protective bonding conductor sizes:	(✓.....)		5.10 Cables adequately protected against mechanical damage and abrasion: (✓.....)
3.6 Accessibility and condition of main protective bonding conductor connections:	(✓.....)		5.11 Provision of additional protection by 30 mA RCD (see Note):
3.7 Accessibility and condition of other protective bonding connections:	(✓.....)		a) For all socket-outlets with a rated current not exceeding 32 A (✓.....)
3.8 Provision of earthing and bonding labels at all appropriate locations:	(✓.....)		b) For mobile equipment not exceeding a rating of 32 A for use outdoors (N/A.....)
			c) For cables concealed in walls / partitions at a depth of less than 50 mm (✓.....)

All fields must be completed. Enter either, as appropriate: '✓' if Acceptable condition; 'N/A' if Not applicable; 'LIM' if a Limitation exists; or Code appropriately – CODE 'C1', 'C2', 'C3' or 'FI' (codes to be recorded in PART 6, with additional comments (where appropriate) on attached numbered sheets)

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PART 10 : SCHEDULE OF ITEMS INSPECTED

d) For cables concealed in walls / partitions containing metal parts regardless of depth (.....) (✓.....)

e) For all AC final circuits supplying luminaires (.....) (✓.....)

Note: Older installations designed prior to BS 7671: 2008 may not have been provided with RCDs for additional protection.

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: (.....) (✓.....)

5.16 Termination of cables at enclosures (extent of sampling indicated in PART 7 of the report): (.....) (✓.....)

a) Connections soundly made and under no undue strain (.....) (✓.....)

b) No basic insulation of a conductor visible outside enclosure (.....) (✓.....)

c) Connection of live conductors adequately enclosed (.....) (✓.....)

d) Adequately connected at point of entry to enclosure (.....) (✓.....)

5.17 Condition of accessories including socket-outlets, switches and joint boxes is satisfactory: (.....) (✓.....)

6. Isolation and switching
(isolation, switching off for mechanical maintenance and functional switching)

6.1 In general: (.....) (✓.....)

a) Presence and condition of appropriate devices (.....) (✓.....)

b) Correct operation verified (.....) (✓.....)

6.2 For isolation and switching for mechanical maintenance only: (.....) (✓.....)

a) Capable of being secured in the OFF position, where appropriate (.....) (✓.....)

b) Acceptable location (local / remote) (.....) (✓.....)

c) Clearly identified by position and / or durable marking(s) (.....) (✓.....)

6.3 For isolation only: (.....) (✓.....)

a) Warning label(s) posted in situations where live parts cannot be isolated by the operation of a single device (.....) (✓.....)

7. Current-using equipment (permanently connected)

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 on a separate page: Page No. (.....) (✓.....)

7.7 Recessed luminaires (downlighters): (.....) (✓.....)

a) Correct type of lamps fitted (.....) (✓.....)

b) Installed to minimise build-up of heat (.....) (✓.....)

c) No signs of overheating to surrounding building fabric (.....) (✓.....)

d) No signs of overheating to conductors / terminations (.....) (✓.....)

8. Location(s) containing a bath or shower

8.1 Additional protection by RCD not exceeding 30 mA: (.....) (✓.....)

a) For low voltage circuits serving the location (.....) (✓.....)

b) For low voltage circuits passing through Zone 1 and Zone 2 not serving the location (.....) (✓.....)

8.2 Where used as a protective measure, requirements for SELV or PELV are met: (.....) (N/A.....)

8.3 Shaver sockets comply with BS EN 61558-2-5 (formerly BS 3535): (.....) (N/A.....)

8.4 Presence of supplementary bonding conductors unless not required by BS 7671: 2018: (.....) (N/A.....)

8.5 Low voltage (e.g. 230 volts) socket-outlets sited at least 3 m from Zone 1: (.....) (✓.....)

8.6 Suitability of equipment for external influences for installed location in terms of IP rating: (.....) (✓.....)

8.7 Suitability of equipment for installation in a particular zone: (.....) (✓.....)

9. Other Part 7 special installations or locations

List of all other special installations or locations, if any, present: (.....) (N/A.....)

(.....) (.....) (.....) (.....)

(.....) (.....) (.....) (.....)

(.....) (.....) (.....) (.....)

(.....) (.....) (.....) (.....)

(.....) (.....) (.....) (.....)

(.....) (.....) (.....) (.....)

Indicate if the relevant requirements of Part 7 are satisfied and append results of inspection on a separate numbered page.

SCHEDULE OF ITEMS INSPECTED BY

Name (capital): R. CHADHA

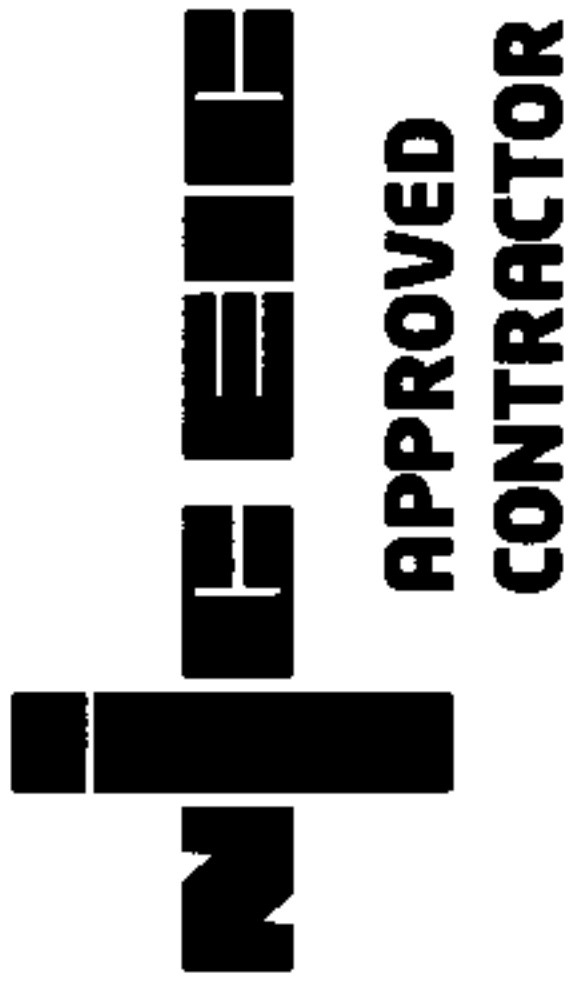
Signature: [Signature] Date: 26/1/22

PART 11 : SCHEDULES AND ADDITIONAL PAGES

Schedule of Inspections	Schedule of Circuit Details and Test Results for the installation	Additional pages, including data sheets for additional sources	Special installations or locations (indicated in item 9. above)	Continuation sheets
Page No(s): (.....) (4 & 5) (.....)	Page No(s): (.....) (6) (.....)	Page No(s): (.....) (N/A) (.....)	Page No(s): (.....) (N/A) (.....)	Page No(s): (.....) (N/A) (.....)

The pages identified are an essential part of this report (see Regulation 653.2). N/A

All fields must be completed. Enter either, as appropriate: '✓' if Acceptable condition; 'N/A' if Not applicable; 'LIM' if a Limitation exists; or Code appropriately – CODE 'C1', 'C2', 'C3' or 'FI' (codes to be recorded in PART 6, with additional comments (where appropriate) on attached numbered sheets)



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PART 12: SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing: all Circuits

CODES for Type of wiring		Thermoplastic insulated / sheathed cables		Thermoplastic cables in metallic conduit		Thermoplastic cables in non-metallic conduit		Thermoplastic cables in metallic trunking		Thermoplastic cables in non-metallic trunking		(F) Thermoplastic / SWA cables		(G) Thermosetting / SWA cables		(H) Mineral-insulated cables		(D) other - state:								
Circuit number	Circuit description * Where this consumer unit is remote from the origin of the installation, record details of the circuit supplying this consumer unit on the first line.	Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa		Max. disconnection time (BS 7671) (s)	Protective device			RCD Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device** (Ω)	Circuit impedances (Ω)				Insulation resistance		Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons					
					Live (mm ²)	cpc (mm ²)		BS (EN)	Type	Rating (A)			Short-circuit capacity (kA)	Ring final circuits only (measured end to end)		All circuits (complete at least one column)		Live / Live (MΩ)			Live / Earth (MΩ)	Test voltage DC (V)				
														(Line) r ₁	(Neutral) r _n	(cpc) r ₂	(R ₁ + R ₂)						R ₂			
1	SPARE																									
2	SPARE																									
3	SPARE																									
4	UPstairs Ring.	A	100	10	2.5	1.5	0.4	B	32	6	30	1.37	6.79	0.40	0.96	0.36	250	✓	0.21	258	✓	NA				
5	LOUNG + Down Ring	A	"	12	2.5	1.5	"	B	32	6	"	1.37	6.51	0.48	1.11	0.38	"	✓	"	"	✓	"				
6	Intercession	A	"	1	2.5	1.5	"	B	16	6	"	2.73				6.71	"	✓	"	"	✓	"				
7	Bed.	A	"	1	1.5	1.0	"	B	6	6	"	7.28				0.02	"	✓	"	"	✓	"				
8	Ground Water Pump Ring	A	"	7	2.5	1.5	"	B	32	6	"	1.37	6.56	0.56	0.96	0.39	"	✓	"	189	✓	"				
9	SPARE																									
10	SPARE																									
11	Kitchen + Down Light	A	"	18	1.5	1.0	"	B	6	6	"	7.28				0.72	"	✓	"	"	✓	"				
12	UP stairs Light.	A	"	12	1.5	1.0	"	B	6	6	"	7.28				1.01	"	✓	"	"	✓	"				

Location of consumer unit: UNDER STAIRS Designation: contactum Dual Red Board Prospective fault current at consumer unit (where applicable): 0.87 kA

TESTED BY Name (capital): R CHADHA Position: Director Signature: [Signature] Date: 26/1/22

TEST INSTRUMENTS (enter serial number against each instrument used)			
Multi-function: <u>611-754/08608</u>	Continuity: <u>✓</u>	Insulation resistance: <u>✓</u>	Earth fault loop impedance: <u>✓</u>
Earth electrode resistance: <u>NA</u>	Earth electrode resistance: <u>NA</u>	RCD: <u>✓</u>	

