



# 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: 040157 Branch No:  
Trading Title: D&L ELECTRICAL LTD.  
Address: 34 GREENFIELD RD  
Postcode: LU3 3BN. Tel No:

#### DETAILS OF THE CLIENT

Contractor Reference Number (CRN):  
Name: P. WINTER  
Address: 53 ADELAIDE RD  
Postcode: L7 8SQ Tel No:

#### DETAILS OF THE INSTALLATION

Occupier:  
Address: 53 ADELAIDE RD  
Postcode: L7 8SQ Tel No:

### PART 2: PURPOSE OF THE REPORT

Purpose for which this report is required: CLIENT REQUEST.

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): GOOD CONDITION

Estimated age of electrical installation: ( ) years Evidence of additions or alterations: ( ) 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 my 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): SKILLICORN Signature: [Signature] Date: 15/3/19  
Name (capital): SKILLICORN Signature: [Signature] Date: 15/3/19

#### REVIEWED BY QUALIFIED SUPERVISOR

Name (capital): SKILLICORN Signature: [Signature] Date: 15/3/19

\*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 F1) without delay is required.









**APPROVED CONTRACTOR**

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DATE:

### 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:

ALL FIXED WIRING

(see additional page No. ....)

Agreed limitations including the reasons, if any, on the inspection and testing:

10' VISUAL + REF TESTS. Agreed with (print name): K BROWN

Extent of sampling (inspection only):

Operational limitations including the reasons:

(see additional page No. ....)  
(see additional page No. ....)

### PART 8: SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System type and earthing arrangements

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

Other (state):

Number and type of live conductors

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

Supply protective device

(BS EN) 1361 HRC

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

Confirmation of supply polarity:

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

Nature of supply parameters

Nominal line voltage to Earth,  $U_0$ :

Nominal frequency,  $f$ :

Prospective fault current,  $I_{pf}^{(1)1}$ :

External loop impedance,  $Z_g^{(1)1}$ :

(230) V

(50) Hz

(1) kA

(23)  $\Omega$

<sup>(1)</sup> By enquiry, measurement, or by calculation

### PART 9: PARTICULARS OF INSTALLATION REFERRED TO IN THIS REPORT

Means of Earthing	Main protective conductors	Main protective bonding connections	Main switch / Switch-fuse / Circuit-breaker / RCD
Distributor's facility: (.....) Installation earth electrode: (.....)	Earthing conductor: (material) CU csa 16 mm <sup>2</sup> Connection / continuity verified: (.....) Main protective bonding conductors: (material) CU csa 16 mm <sup>2</sup> Connection / continuity verified: (.....)	Water installation pipes: (.....) Gas installation pipes: (.....) Structural steel: (.....) Oil installation pipes: (.....) Lightning protection: (.....) Other (state): (.....)	Type: (BS EN) 60947-3 CELAR Location: (.....) No. of poles: (2) Current rating: (100) A Where an RCD is used as the main switch RCD rated residual operating current, $I_{\Delta n}$ : (30) mA Measured operating time: (.....) ms Rating / setting of device: (100) A Voltage rating: (230) V Rated time delay: (30) 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,  $Z_g$ , 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 'F1' (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**

<p><b>1. External condition of intake equipment (visual inspection only)</b>          (If inadequacies are identified with the intake equipment, it is recommended the person ordering the report informs the appropriate authority)</p> <p>1.1 Service cable: (.....) ✓          1.2 Service head: (.....) ✓          1.3 Earthing arrangement: (.....) ✓          1.4 Meter falls: (.....) ✓          a) Cutout fuse to meter (.....) ✓          b) Meter to consumer unit (.....) ✓          1.5 Metering equipment: (.....) ✓          1.6 Isolator (where present): (.....) ✓</p>	<p><b>4. Consumer unit(s) / Distribution board(s)</b></p> <p>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 Main switch capable of being secured in the OFF position: (.....) ✓          4.9 Operation of circuit-breakers and RCDS to prove disconnection (functional check): (.....) ✓          4.10 Correct identification of circuits and protective devices: (.....) ✓          4.11 Presence of appropriate circuit charts, warning and other notices:          a) Provision of circuit charts/schedules or equivalent forms of information (.....) ✓          b) Warning notice of method of isolation where live parts not capable of being isolated by a single device (.....) ✓          c) Periodic inspection and testing notice (.....) ✓          d) Presence of RCD six-monthly notice, where required (.....) ✓          e) Warning notice of non-standard (mixed) colours of conductors present (.....) ✓          f) All other required labelling provided (.....) ✓</p>	<p>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 Adequacy of AFDD(s), where specified: (.....) ✓          4.20 Confirmation that conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure: (.....) ✓</p>
<p><b>2. Presence of adequate arrangements for other sources</b></p> <p>2.1 Adequate arrangements where a generating set operates as a switched alternative to the public supply: (NA) ✓          2.2 Adequate arrangements where generating set operates in parallel with the public supply: (NA) ✓          2.3 Presence of alternative / additional supply warning notices: (NA) ✓</p>	<p>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 Adequacy of protective devices, type and rated current 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: (.....) ✓</p>	<p>5.11 Provision of additional protection by 30 mA RCD (see Note):          a) For all socket-outlets with a rated current not exceeding 32 A (.....) ✓          b) For mobile equipment not exceeding a rating of 32 A for use outdoors (.....) ✓          c) For cables concealed in walls / partitions at a depth of less than 50 mm (.....) ✓</p>
<p><b>3. Earthing and bonding arrangements</b></p> <p>3.1 Presence and condition of distributor's earthing arrangement: (.....) ✓          3.2 Presence and condition of earth electrode connection, where appropriate: (NA) ✓          3.3 Confirmation of adequate earthing conductor size: (.....) ✓          3.4 Accessibility and condition of earthing conductor at Main Earthing Terminal (MET): (.....) ✓          3.5 Confirmation of adequate main protective bonding conductor sizes: (.....) ✓          3.6 Accessibility and condition of main protective bonding conductor connections: (.....) ✓          3.7 Accessibility and condition of other protective bonding connections: (.....) ✓          3.8 Provision of earthing and bonding labels at all appropriate locations: (.....) ✓</p>	<p>4.12 Compatibility of protective devices(s), bases(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 live conductors only: (.....) ✓          4.14 Protection against mechanical damage where cables enter consumer unit / distribution board: (.....) ✓</p>	

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 'G1', 'G2', 'G3' or 'F1' (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

Circuit number	Circuit description <small>* 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.</small>	Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa		Max. disconnection time (BS 7671)	BS (EN)	Protective device			RCD	Maximum permitted Z <sub>s</sub> for installed protective device**	Circuit impedances (Ω)			Insulation resistance			Polarity	Max. measured earth fault loop impedance, Z <sub>s</sub>	RCD operating time (ms)	Test buttons		
					Live (mm <sup>2</sup> )	opc (mm <sup>2</sup> )			Type	Rating (A)	Short-circuit capacity (kA)			Operating current, I <sub>Δn</sub> (mA)	R <sub>1</sub> (Line) (Ω)	R <sub>n</sub> (Neutral) (Ω)	R <sub>s</sub> (total) (Ω)	(R <sub>1</sub> +R <sub>2</sub> )	R <sub>2</sub>				Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)
1	SHOWER, A	C	1	10	6	0.4	60898	B	40	6	30	0.3	0.6	0.6	0.7	0.3	30	30	250	✓	10.5	18	✓	✓	
2	MIDDLE SOCKETS, A	C	8	2.5	1.5	0.4	60898	B	20	6	30	0.5	0.6	0.7	0.3	30	30	250	✓	10.7	18	✓	✓		
3	TOP SOCKETS, A	C	5	2.5	1.5	0.4	60898	B	20	6	30	0.7	0.6	0.7	0.3	30	30	250	✓	10.9	18	✓	✓		
4	GROUND LGS ALARM, A	C	6	1	1	0.4	60898	B	6	6	30	0.5	0.6	0.7	0.3	30	30	250	✓	10.7	17	✓	✓		
5																									
6																									
7	KITCHEN Sockets, A	C	7	2.5	1.5	0.4	60898	B	32	6	30	0.3	0.6	0.7	0.3	30	30	250	✓	10.5	18	✓	✓		
8	GROUND + CABLE SPO, A	C	7	2.5	1.5	0.4	60898	B	20	6	30	0.5	0.6	0.7	0.3	30	30	250	✓	10.7	19	✓	✓		
9	MIDDLE LIGHTS, A	C	5	1	1	0.4	60898	B	6	6	30	0.7	0.6	0.7	0.3	30	30	250	✓	10.9	17	✓	✓		
10	TOP LIGHTS, A	C	5	1	1	0.4	60898	B	6	6	30	0.9	0.6	0.7	0.3	30	30	250	✓	11.1	18	✓	✓		
11																									
12																									
13																									
14																									
15																									
16																									
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18																									

Location of consumer unit: **CELLAR** Designation: **Power / LIGHTS** Prospective fault current at consumer unit (where applicable): **1...1** kA

TESTED BY: Name (capital): **S SKIVICKS** Position: **ELECTRICIAN** Signature: *[Signature]* Date: **10/11/18**

TEST INSTRUMENTS (enter serial number against each instrument used)

Multi-function: \_\_\_\_\_ Continuity: \_\_\_\_\_ Insulation resistance: \_\_\_\_\_ Earth fault loop impedance: \_\_\_\_\_ Earth electrode resistance: \_\_\_\_\_ RCD: \_\_\_\_\_

Original (to the person ordering the wo