ELECTRICAL INSTALLATION CERTIFICATE

Requirements for Electrical Installations - BS 7671: 2018+A2:2022 (IET Wiring Regulations 18th Edition)

Guidance for recipients:

This safety Certificate has been issued to confirm that the electrical installation work to which it relates has been designed, constructed, inspected and tested in accordance with BS 7671 (the IET Wiring Regulations).

You should have received an 'original' Certificate and the person that issued the Certificate should have retained a duplicate.

If you were the person ordering this work, but not the owner of the installation, you should pass this Certificate, or a full copy of it, immediately to the owner. The original Certificate is to be retained in a safe place and be shown to any person inspecting or undertaking work on the electrical installation in the future.

If you later vacate the property, this Certificate will demonstrate to the new owner that the electrical installation complied with the requirements of BS 7671 at the time the Certificate was issued.

The Construction (Design and Management) Regulations require that, for a project covered by those Regulations, a copy of this certificate, together with schedules, is included in the project health and safety document.

For safety reasons, the electrical installation will need to be re-inspected at appropriate intervals by a skilled person or persons, competent in such work. The maximum time interval recommended before the next inspection is stated in Section 3 under "NEXT INSPECTION".

This Certificate is intended to be issued only for a new electrical installation or for new work associated with an addition or alteration to an existing installation. It should not have been issued for the inspection and testing of an existing electrical installation. An "Electrical Installation Condition Report" should be issued for such an inspection.

This Certificate is only valid if the Schedule of Inspections has been completed to confirm that all relevant inspections have been carried out and where accompanied by Schedule(s) of Circuit Details and Test Results.

Where the installation includes a residual current device (RCD) it should be tested six-monthly by pressing the button marked 'T' or 'Test'. The device should switch off the supply and should then be switched on to restore the supply. If the device does not switch off the supply when the button is pressed, seek expert advice. For safety reasons it is important that this instruction is followed.

Where the installation includes an arc fault detection device (AFDD) having a manual test facility it should be tested six-monthly by pressing the test button. Where an AFDD has both a test button and automatic test function, manufacturer's instructions shall be followed with respect to test button operation.

Where the installation includes a surge protective device (SPD) the status indicator should be checked to confirm it is in operational condition in accordance with manufacturer's information. If the indication shows that the device is not operational, seek expert advice. For safety reasons it is important that this instruction is followed.

Where the installation includes alternative or additional sources of supply, warning notices should be found at the origin or meter position or, if remote from the origin, at the consumer unit or distribution board and at all points of isolation of all sources of supply.

ELECTRICAL INSTALLATION CERTIFICATE [BS 7671: 2018+A2:2022 as amended]

for Domestic and Similar Premises up to 100 A

Requirements for Electrical Installations BS7671 :2018+A2:2022 (IET Wiring Regulations 18th Edition)

Client Details				
Client	PROSPERITY DEVELOPMEN	TS LTD Installation		
Address	JQ1, 32 GEORGE ST BIRMINGHAM WEST MIDLANDS	Address	304 PARK VIEW DARWIN STREET BIRMINGHAM	
Postcode	B3 1QG	Postcode	B12 0TW	
Details of the In	stallation			
Description of prer	nises Domestic 🗸 Commercial	Industrial	Date of original installation 1/12/2023	
Installation is No	ew 🖌 Addition 🗌 Alteration 🗌	Records Available Yes No 🗸	RCD Risk assessment attached	
Description of the New electrical inst				
Extent of the insta	allation covered by this certificate			
full installation				
Details of departu	res from BS 7671 (regulations 120.3, 133.1.3	and 133.5)		
Details of permitte	ed exception. (regulation 411.3.3) where appli	cable a suitable risk assessment(s) must be	attached to this certificate	
Declaration for I	Design			
	responsible for design of the electrical installat nd care when carrying out the design hereby CE		culars of which are described in Section 2, having exercis	ed
been responsible	is to the best of my knowledge and belief in acc	ordance with BS 7671:2018, amended to N/A		
The extent of liabi	lity of the signatory is limited to work described	in Section 2 as subject of this certificate.		_
Company	Thornley and Lumb	Date 01/0	01/0001	_
Designer Name		Scheme No.	Branch No.	_
Address	Cutler Heights Lane Cutler Heights	Signature		
	Bradford BD4 9JG			
Reviewed By Reviewed By Date		Reviewed By Signature		
	L			
Next inspection	I the designer recommend that this installati	on is further inspected after an interval of r	ot more than 5 years	

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Requirements for Electrical Installations BS7671 :2018+A2:2022 (IET Wiring Regulations 18th Edition)

exercised reasonab	responsible for constr ble skill and care whe	ruction of the electrical installation (a n carrying out the construction here best of my knowledge and belief in a	by CERTI	FY that the construct	ion for	hich are described in	Section 2, having				
		imited to work described in Section									
Company	E.G. Electrical Mid	lands Limited		Position	Installer/Inspector						
Inspector Name	Paul Murphy			Date	29/04/2024						
Address	Unit 16B, iliffe Hou iliffe Avenue Leicester LE2 5LS	se		Scheme No.	14624	Branch No.					
				Signature	Paul Murphy						
Reviewed By Paul Murphy Reviewed By Signature Paul Murphy											
Reviewed By Date	29/04/2024			Signature							
having exercised re test for which i have	asonable skill and ca been responsible is	ction and testing of the electrical ins ire when carrying out the inspection to the best of my knowledge and be imited to work described in Section	and test helief in acc	nereby CERTIFY that ordance with BS 767	the inspection and		scribed in Section 2,				
Company	E.G. Electrical Mid	lands Limited		Position							
Inspector Name	Paul Murphy			Date	29/04/2024						
Address	Unit 16B, iliffe Hou iliffe Avenue Leicester	Se		Scheme No.	14624						
	LE2 5LS			Signature	Paul Murj						
Reviewed By	Paul Murphy			Reviewed By							
Reviewed By Date	29/04/2024			Signature							
upply Character	istics and Earth	ing Arrangements									
Earthin	g Arrangements	TN-S TN-C-S TT	Oth	ner If Other plea	ase specify N/A						
Number & Type of	f live conductors	AC DC No. of phases	s 1	N	lo. of wires 2						
Nomi	nal voltage, U/U ₀ ⁽¹⁾		-	ement) al frequency, f ⁽¹⁾ 5	0 Hz	Confirmation of	polarity 🗸				
	e fault current, $I_{pf}^{(2)}$		rnal loop i	mpedance, Z _e ⁽²⁾	.11 Ω						
Supply Protect	ive Device BS (EN)	1361 НВС Туре 2 Туре	2	Rated Current	00 A						
No. of Additional Su	upplies	N/A									

ELECTRICAL INSTALLATION CERTIFICATE [BS 7671: 2018+A2:2022 as amended]

for Domestic and Similar Premises up to 100 A

Requirements for Electrical Installations BS7671 :2018+A2:2022 (IET Wiring Regulations 18th Edition)

Particulars of Installation at the Origin		Means of Earthing									
Details of installation Earth Electrode (where applicable) Type (e.g. rod(s)), tape e	etc) N/A Distributors facility V Installation Earth Electrode									
Location N/A Electrode resistan	nce to ea	earth N/A Ω Maximum Demand (load) 100 Amps ✔ KVA									
Main Protective Conductors Material cs	sa	(\checkmark) or Value (\checkmark) or Value									
Earthing Conductor Copper 16		mm ² Continuity Verified \checkmark Ω Connection Verified \checkmark Ω									
Protective Bonding Conductor		mm² Continuity Verified Ω Connection Verified Ω									
Material csa (connection / continuity) (\checkmark) or Value (\checkmark) or											
Main Supply Conductor Copper 25 mm²		Water installation Ω To structural steel Ω Ω									
Main Switch Location CUPBOARD		Gas installation pipes Ω To lightning protection Ω Ω									
		Oil installation pipes Ω Other Ω Other									
3 1 1 3 1 1 1 3 1 1 1 1 1 1 1 1 1 1		BS(EN) 60947-3 No. of Poles 2 Current Rating 100 A									
If RCD main switch: Rated residual operating current I Δn	mA	Rated time delay ms Measured operating trip time ms									
Comments on existing installation (in case of addition or alteration see so	ection 6	644.1.2) use continuation sheet if needed									
SATISFACTORY											
(For additions or alterations) cables concealed within trunking and conduits. or cables or conduits conceal	led under fl	floors, in roof spaces and generally within the fabric of the building or underground may not have been inspected.									
Schedule of Inspection - Outcomes											
Indicates an inspection has been carried out and the result is satisfactory		Indicates the inspection is not applicable to a particular item									
1.0 Condition of consumer's intake equipment (visual inspection only)		8.0 Circuits (Distribution and Final)									
2.0 Parallel or switched alternative sources of supply	NA	9.0 Isolation and switching									
3.0 Protective measure: Automatic Disconnection of Supply (ADS)		10.0 Current-using equipment (permanently connected) Image: Connected (Connected)									
4.0 Basic Protection		11.0 Identification and notices									
5.0 Protective measure other than ADS	NA	12.0 Location(s) containing a bath or shower									
6.0 Additional protection	NA	13.0 Other special installations or locations									
7.0 Distribution equipment	NA	14.0 Prosumer's low voltage electrical installation(s)									
SCHEDULES: This cerificate is only valid when (enter quantities of sch	hedules a	attached) 1 schedules of circuit details and test results are attached									
Inspector's Name: Paul Murphy		Signature									
Date: 29/04/2024											

ELECTRICAL INSTALLATION CERTIFICATE - Circuit Details

for Domestic and Similar Premises up to 100 A

Requirements for Electrical Installations BS7671 :2018+A2:2022 (IET Wiring Regulations 18th Edition)

Client Name		PROSPERITY [OPME	NTS LT	D			Installatio	Installation Address			, 304 PARK VIEW, DARWIN STREET,							
Client A	Address	JQ1, 32 GEORO BIRMINGHAM,			NDS				Destanda	Postcode				BIRMINGHAM B12 0TW					
Client F	Postcode	Birtwing IAW, B3 1QG	WEST	VIIDLA	INDO														
		ls - Complete in e	verv cas				Complet	e onlv if th	e distribution board is	not									
SPD Details			_	N/A		connected directly to the origin of the installation													
Location		al Cupboard				Overcurrent protective device Supply to distribution board is from for the distribution circuit:													
Designat	ion DB 1					i I	No. of p	hases	1 BS(EN)			Тур	be	Rating		A		
No. of wa	ays 14			Nominal voltage V RCD BS(EN) Type Rating											I∆n mA				
SCHEDULE OF CIRCUIT DETAILS																			
Re er Typ			No.		ircuit conductors tion of the conductors csa (mm²)		Overcurrent protect	ive dev	vices	Bre	BS 7671 Max. permitted Zs		RCE)					
Circuit No. and Line	d Lin		Type of wiring	Ref. method	No. of points served			Maximum disconnection time (BS 7671)		Τy	Rat	Breaking capacity	permitted Zs Other Other §		Ту	IΔn	Rating		
е <u>с</u>	Circuit	designation	viring		pints	L/N	СРС	tion 671)	BS EN Number	Type No.	Rating (A)	(KA)	<u>80%</u> (Ω)	BS EN Number	Type No.	IΔn (mA)	ing (A)		
1/S	Cooker - Hot		A3	:j: 100	1	6	2.5	(S) 0.4	60898 MCB	B	<u>4</u> 0	6	0.87	61008	A	30	<u>ب</u> 100		
2/S	flat ring	,	A3	100	12	2.5	1.5	0.4	60898 MCB	В	32	6	1.09	61008	A	30	100		
3/S	towel rail		A3	100	2	4	2.5	0.4	60898 MCB	в	20	6	1.75	61008	A	30	100		
4/S	water heater		A3	100	1	4	2.5	0.4	60898 MCB	в	20	6	1.75	61008	A	30	100		
5/S	smokes		A3	100	5	1.5	1	0.4	60898 MCB	в	6	6	5.82	61008	A	30	100		
6/S	flat Its		A3	100	15	1.5	1	0.4	60898 MCB	в	6	6	5.82	61008	A	30	100		
7/S	kit ring		A3	100	5	2.5	1.5	0.4	60898 MCB	в	32	6	1.09	61008	A	30	100		
8/S	Oven		A3	100	1	4	2.5	0.4	60898 MCB	в	20	6	1.75	61008	A	30	100		
9/S	9/S heaters		A3	100	3	4	2.5	0.4	60898 MCB	В	20	6	1.75	61008	A	30	100		
10/S	skts cupboar	d	A3	100	4	4	2.5	0.4	60898 MCB	В	20	6	1.75	61008	A	30	100		
11/S	flat Its		A3	100	9	1.5	1	0.4	60898 MCB	В	6	6	5.82	61008	A	30	100		
12/S	SPARE																		
13/S	SPARE																		
14/S	SPARE																		
					<u> </u>							<u> </u>							
				<u> </u>								<u> </u>							
			-							-					<u> </u>				
										-									
			-							-									
															<u> </u>				
					VC cable	s in non-me	tallic Cond	uit, D PVC	cables in metallic trunking, I	E PVC	cables in r	non-metall	ic trunking, F	PVC/SWA cable	es, G SWA	VXPLE ca	bles,		
rı wineral li	nsulated, MW Me	tal Work, FM Ferrous	wetal, O	Uther															
					L														

* SPD Type. Where a combined T1 + T2 or T2 + T3 device is installed, indicate by ticking both boxes.
t Where a T3 SPD is installed to protect sensitive equipment, enter Details of Circuits, of the Schedule of Test Results. (See Section 534 of BS 7671:2018+A2:2022.)
:j: See Table 4A2 of Appendix 4 of BS 7671:2018+A2:2022.
§ Where the maximum permitted earth fault loop impedance value stated in Max Zs column is taken from a source other than the tabulated values given in Chapter 41 of BS 7671:2018+A2:2022, state the source of the data in the appropriate cell for the circuit in the change to Schedule of Test Results.

ELECTRICAL INSTALLATION CERTIFICATE - Test Results

for Domestic and Similar Premises up to 100 A

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Client Name	PROSPERITY DEVELOPMENTS LTD		Installation Address	, 304 PARK VIEW, DARWIN STREET,				
Client Addre	JQ1, 32 GEORGE ST BIRMINGHAM, WEST MIDLANDS	Client B3 1QG Postcode	Installation Postcode	BIRMINGHAM B12 0TW				
Distribution boa	rd details - Complete in every case	<u></u>	Complete only if the distribution board i	is not connected directly to the origin of the installation				
Location	Electrical Cupboard		Associated RCD (if any): BS (EN)					
Designation	DB 1		Z _{db} 0.11	Ω Operating at IΔnms				
No. of ways	14 Supply polarity confirmed	hase sequence confirmed						
No. of phases	SPD: Operational status confirme	ed Not applicable	I _{pf} 2.2 kA No. of poles	Time delay (if applicable)				

TEST RESULTS																
			Circuit imped	ance Ω				Insulation resistance (Record lower reading)				Polarity	Max. Mea	RCD testing		al test
Circuit No. and Line	Rin	g final circuits	only	Fig 8 check	R1R2	or R2	Test voltage	L/L, L/M	1	L/E, N/	E	rity	Max. Measured	All RCDs I∆n	RCD	AFDD
lt No.	r1	rn	r2	× ~ (√)	R1 + R2	R2	v	Μ(Ω)		M(Ω)			Zs (Ω)	ms	(√)	(√)
1/S	N/A	N/A	N/A	N/A	0.08	N/A	500	>999	>9	999		\checkmark	0.36	28	✓	N/A
2/S	0.67	0.72	0.78	\checkmark	0.37	N/A	500	>999	>9	99		\checkmark	0.88	28	✓	N/A
3/S	N/A	N/A	N/A	N/A	0.27	N/A	500	>999	>9	99		\checkmark	0.39	28	✓	N/A
4/S	N/A	N/A	N/A	N/A	0.05	N/A	500	>999	>9	999		\checkmark	0.17	28	✓	N/A
5/S	N/A	N/A	N/A	N/A	0.70	N/A	500	>999	>9	99		✓	0.78	28	✓	N/A
6/S	N/A	N/A	N/A	N/A	0.66	N/A	500	>999	>9	99		✓	0.97	28	✓	N/A
7/S	0.12	0.12	0.20	\checkmark	0.08	N/A	500	>999	>9	99		\checkmark	0.89	22	✓	N/A
8/S	N/A	N/A	N/A	N/A	0.09	N/A	500	>999	>9	999		\checkmark	0.18	22	✓	N/A
9/S	N/A	N/A	N/A	N/A	0.32	N/A	500	>999	>9	99		\checkmark	0.61	22	✓	N/A
10/S	N/A	N/A	N/A	N/A	0.06	N/A	500	>999	>9	99		\checkmark	0.66	22	✓	N/A
11/S	N/A	N/A	N/A	N/A	0.75	N/A	500	>999	>9	99		\checkmark	0.84	22	✓	N/A
12/S	N/A	N/A	N/A	N/A								N/A			N/A	N/A
13/S	N/A	N/A	N/A	N/A								N/A			N/A	N/A
14/S	N/A	N/A	N/A	N/A								N/A			N/A	N/A
<u> </u>								1	-						1	
<u> </u>													<u> </u>		1	
<u> </u>								1							1	
<u> </u>								1	-						1	
<u> </u>								1							1	
Details	of circuits and/	or installed eq	uipment vulner	able to dan	l nage when te	sting	1	1				dood too	ting 2	9/04/2024 To	29/04/20	124
					-							dead tes				
					1						- ·	s) live tes		9/04/2024 To	29/04/20	024
			pedance 101954			esistance 1019	954272	Continuity 10			_	D 1019542		E/Electrode		
		apital letters)		PAUL MUF	_				Sign	nature	Paul	Murph	ĩy			
Po	sition Install	er/Inspector			Date 29/04/2024											

4th Floor, Mill 3, Pleasley Vale Business Park, Mansfield, Nottinghamshire NG19 8RL