



ELECTRICAL INSTALLATION CERTIFICATE CERTIFICATE No: EICS-20211213131422

This is to certify that the electrical installation at the following address complies with the requirements of BS 7671:2018 - as amended

25 Barbican Road York North Yorkshire YO10 5AA

The following work was carried out at the address above

Replacement of DB-1 and install 2 no hob circuits.

This Certificate deems the installation to be in the following condition:

SATISFACTORY

Company issuing this Certificate

Mad About Electrics Unit 2 Pyramid Court, Rosetta Way York YO26 5NB

01904787983 info@madaboutelectrics.com

CPS Enrolment No: 50 1089 000

Issued on

15/12/2021

Inspected by Reviewed by

Jonathan Holeksa Zac Loveley

Zlende

JH0leksa Recommended re-test

5 Years from date of issue

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CERTIFICATE NO: EICS-20211213131422

ELECTRICAL INSTALLATION CERTIFICATE (SHORT)

Requirements for electrical installations (BS 7671 IET Wiring Regulations)

DETAILS OF THE CLIENT		DETAILS OF THE	INSTALLATION		
David Blackwell 254 Tadcaster Road York North Yorkshire YO24 1ES	©: - □: - ■: David Blackwell	C/O David Blackwell 25 Barbican Road York North Yorkshire YO10 5AA		\. : - □: - >: - \. : David Blackwe	11
EXTENT OF INSTALLATION COVE	RED BY THIS CERTIFICATE				
Extent of the electrical installa	ation covered by this certificate		Description	of	Installation is
Replacement of DB-1 and install 2	no hob circuits.		premises		□ New
			✓ Domestic	C	
			☐ Commerc	ial	☐ An addition
			☐ Industrial		An alteration
			☐ Other		
			-		
DETAILS OF DEPARTURES AND P	ERMITTED EXCEPTIONS			1	
Details of departures and permit	ted exceptions BS 7671 (Regs 120.3,	133.1.3, 133.5, 41	l1.3.3). 🗌 <i>Risk</i> (assessment ind	luded.
-					
FOR DESIGN, CONSTRUCTION AT	ND INSPECTION AND TESTING				
Mad About Electrics Unit 2 Pyramid Court, Rosetta Way York - YO26 5NB	C: 01904787983 ☐: - S: info@madaboutelectrics.com	mac	d about electi	rics	APPROVED CONTRACTOR
	, construction and inspection and testing of the electrica ut the design, construction and inspection and testing, h pt for the departures, if any, detailed as follows.				
Inspected and tested by		Certificate aut	horised by		
Name	Signature	Name		Signature	. /
Jonathan Holeksa	JHoleksa	Zac Loveley		3	laska
Position	Date	Position		Date	
Electrician	13/12/2021	Electrician		15/12/2021	
NEXT INSPECTION					
I, recommend that this installation	is further inspected and tested in	5	Years		

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SUPPLY CHARACT	ERISTICS AND I	EARTHING ARRANG	GEMENTS					
Earthing arrangements		ber and type ve conductors		Nature of supply parameters			Supply ctive Device	
TN-S ✓	AC ✓	DC	Nominal voltage -	N/A V Uo	230 V	BS(EN)	1361-II	
TN-C-S		phase 2 pole wire)	Nominal frequency	50 Hz No of supplies	1	Туре	II	
TN-C	2-phase (3 wire)	3 pole	-f	0.12 kA Supply	✓	Short circuit	33	
Π		phase Other wire)		polarity confirmed		capacity (kA)		
ΙΤ			Earth loop impedance - Ze	Ω Maximum demand	100 A	Rated current (A)	100	
PARTICULARS OF	INSTALLATION	REFERRED TO IN T	HIS REPORT					
Means of earthing Distributor's facility	Type: eg rod,		ectrode (where applic	Resistance to earth	N/A C	Ω		
Earth electrode	tape Location N/A			Method of measureme	nt N/A			
	switch / switch cuit breaker / R		Earthing conductor	Main protect bonding condu			f extraneous tive parts	
Type BS(EN) 60947-	-3 Voltage rating	240 V	Conductor Copper	Conductor Copper material	Wat	iter 🗸	Gas 🗸	
No of poles 2	Rated current	- In 100 A	Conductor	Conductor 10	Oil	N/A	Structural N/A	^
Conductor material Coppe	r Fuse/der rating or setting		csa (mm ²⁾	csa (mm²)		IVA	steel	
Conductor csa (mm ²⁾	RCD operatin current,		Continuity check			ntning tection N/A	Other services N/A	Α
	RCD operatin time at I			BONDING OUTCOMES Pas	s V Notapplica	N/A	No access	
Location of main	n switch							
Entrance Cupboa	rd							

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OUTC	OMES Acceptable condition Not applicable N/A Limitation Departure from BS 7671 DEP Note made about insta	allation						
tem No	DESCRIPTION	OUTCOMI Use code above						
1.0	EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTION ONLY)							
1.1	Service cable	Ø						
1.2	Service head	Ø						
1.3	Earthing arrangement	Ø						
1.4	Meter tails	Ø						
1.5	Metering equipment	Ø						
1.6	Isolator (where present)	N/A						
2.0	PARALLEL OR SWITCHED ALTERNATIVE SOURCES OF SUPPLY							
2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)	N/A						
2.2	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)	N/A						
3.0	AUTOMATIC DISCONNECTION OF SUPPLY							
3.1	Presence and adequacy of earthing and protective bonding arrangements:							
.1.1	* Distributor's earthing arrangement (542.1.2.1; 542.1.2.2)	2						
.1.2	* Installation earth electrode (where applicable) (542.1.2.3)							
.1.3	* Earthing conductor and connections, including accessibility (542.3; 543.3.2)							
.1.4	* Main protective bonding conductors and connections, including accessibility (411.3.1.2; 543.3.2; 544.1)	•						
.1.5	* Provision of safety electrical earthing/bonding labels at all appropriate locations (514.13)	•						
.1.6	* RCD(s) provided for fault protection (411.4.204; 411.5.3)	•						
4.0	BASIC PROTECTION							
4.1	Presence and adequacy of measures to provide basic protection (prevention of contact with live parts) within the installation:							
.1.1	* Insulation of live parts e.g. conductors completely covered with durable insulating material (416.1)	2						
.1.2	* Barriers or enclosures e.g. correct IP rating (416.2)	0						
5.0	ADDITIONAL PROTECTION							
5.1	Presence and effectiveness of additional protection methods:							
.1.1	* RCD(s) not exceeding 30mA operating current (415.1; Part 7), see item 8.14 of this schedule	•						
.1.2	* Supplementary bonding (415.2; Part 7)	N/A						
6.0	OTHER METHODS OF PROTECTION							
6.1	Presence and effectiveness of methods which give both basic and fault protection:							
.1.1	* SELV system, including the source and associated circuits (Section 414)	N/A						
.1.2	* PELV system, including the source and associated circuits (Section 414)	N/A						
.1.3	* Double or reinforced insulation i.e. Class II or equivalent equipment and associated circuits (Section 412)	•						

Item No	DESCRIPTION	OUTCOME See codes above
7.0	CONSUMER UNIT(S) / DISTRIBUTION BOARD(S):	
7.1	Adequacy of access and working space for items of electrical equipment including switchgear (132.12)	
7.2	Components are suitable according to assembly manufacturer's instructions or literature (536.4.203)	
7.3	Presence of linked main switch(s) (462.1.201)	
7.4	Isolators, for every circuit or group of circuits and all items of equipment (462.2)	•
7.5	Suitability of enclosure(s) for IP and fire ratings (416.2; 421.1.6; 421.1.201; 526.5)	•
7.6	Protection against mechanical damage where cables enter equipment (522.8.1; 522.8.5; 522.8.11)	•
7.7	Confirmation that ALL conductor connections are correctly located in terminals and are tight and secure (526.1)	Ø
7.8	Avoidance of heating effects where cables enter ferromagnetic enclosures e.g. steel (521.5)	Ø
7.9	Selection of correct type and ratings of circuit protective devices for overcurrent and fault protection (411.3.2; 411.4; 411.5; 411.6; Sections 432, 433, 537.3.1.1)	•
7.10	Presence of appropriate circuit charts, warning and other notices:	
7.10.1	* Provision of circuit charts/schedules or equivalent forms of information (514.9)	
7.10.2	* Warning notice of method of isolation where live parts not capable of being isolated by a single device (514.11)	
7.10.3	* Periodic inspection and testing notice (514.12.1)	
7.10.4	* RCD six-monthly test notice; where required (514.12.2)	Ø
7.10.5	* AFDD six-monthly test notice, where required	N/A
7.10.6	* Warning notice of non-standard (mixed) colours of conductors present (514.14)	Ø
7.11	Presence of labels to indicate the purpose of switchgear and protective devices (514.1.1; 514.8)	Ø
8.0	CIRCUITS	
8.1	Adequacy of conductors for current-carrying capacity with regard to type and nature of the installation (Section 523)	
8.2	Cable installation methods suitable for the location(s) and external influences (Section 522)	
8.3	Segregation of Band I (ELV) and Band II (LV) circuits, and electrical and non-electrical services (528)	
8.4	Cables correctly erected and supported throughout, with protection against abrasion (Sections 521, 522)	•
8.5	Provision of fire barriers, sealing arrangements where necessary (527.2)	•
8.6	Non-sheathed cables enclosed throughout in conduit, ducting or trunking (521.10.1; 526.8)	•
8.7	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (522.6.201, 522.6.202, 522.6.203, 522.6.204)	•
8.8	Conductors correctly identified by colour, lettering or numbering (Section 514)	
8.9	Presence, adequacy and correct termination of protective conductors (411.3.1.1; 543.1)	Ø
8.10	Cables and conductors correctly connected, enclosed and with no undue mechanical strain (Section 526)	0
8.11	No basic insulation of a conductor outside enclosure (526.8)	•
8.12	Single-pole devices for switching or protection in line conductors only (132.14.1; 530.3.3; 643.6)	0
8.13	Accessories not damaged, securely fixed, correctly connected, suitable for external influences (134.1.1; 512.2; Section 526)	•

Item No	DESCRIPTION	OUTCOME See codes above							
8.14	Provision of additional protection/requirements by RCD not exceeding 30mA:								
8.14.1	* Socket-outlets rated at 32A or less, unless exempt (411.3.3)								
8.14.2	* Mobile equipment with a current rating not exceeding 32A for use outdoors (411.3.3)	Ø							
8.14.3	* Cables concealed in walls at a depth of less than 50mm (522.6.202, .203)								
8.14.4	* Cables concealed in walls/partitions containing metal parts regardless of depth (522.6.202; 522.6.203)	Ø							
8.14.5	* Final circuits supplying luminaires within domestic (household) premises (411.3.4)	0							
8.15	Presence of appropriate devices for isolation and switching correctly located including:								
8.15.1	* Means of switching off for mechanical maintenance (Section 464; 537.3.2)	•							
8.15.2	* Emergency switching (465.1; 537.3.3)	•							
8.15.3	* Functional switching, for control of parts of the installation and current-using equipment (463.1; 537.3.1)	Ø							
8.15.4	* Firefighter's switches (537.4)	0							
9.0	CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)								
9.1	Equipment not damaged, securely fixed and suitable for external influences (134.1.1; 416.2; 512.2)	•							
9.2									
9.3 Installed to minimize the build up of heat and restrict the spread of fire (421.1.4; 559.4.1)									
9.4									
10.0	LOCATION(S) CONTAINING A BATH OR SHOWER (SECTION 701)								
	30 mA RCD protection for all LV circuits, equipment suitable for the zones, supplementary bonding (where required) etc.	0							
11.0	OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS								
11.0	List all other special installations or locations present, if any.								
Comi	ments on existing installation								
Name	cted by e (Capitals) Signature Date Than Holeksa JHoleksa 13/12/2021								

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EICS-20211213131422

DB-1 - Er	ntrance Cupboard - (Lewden) (19 ways)												
	Applies in every case								Charac	teristi	cs at th	is bo	ard
DB name	DB-1	Supp	lied	Origin	1				Supply po	olarity	confirme	èd	1
Location	Entrance Cupboard	No of circui		19	No of phases 1		1	Phase se	quence	confirm	ied	N/A	
Overcurr	ent protective device for the supply circu	it	1	Measur	ement	at th	is bo	ard					
BS(EN) 1	Rating (A) 100 Voltage Rating (V)	240	Z (<u>(</u>	s (2) 0.:	18	lpf (kA)	0.	12 ΙΔτ (m			5lΔn (ms)	N/A	
CIRCUIT I	DETAILS												
					Cond	ıctors		Ove	ercurrent d	evices			RCD
Cct No	Designation	No of points	Wiring type	Ref method	Live (mm²)	cpc (mm²)	Dis time (s)	BS(EN)	Rating (A)	Short circuit (kA)	Voltage Rating (V)	Max Zs (Ω)	IΔn (mA)
1	Shower	1	А	С	6	2.5	0.4	61009-B	32	6	230	1.37	30
2	Hob 1	1	А	С	6	2.5	0.4	61009-B	32	6	230	1.37	30
3	Hob 2	1	А	С	6	2.5	0.4	61009-B	32	6	230	1.37	30
4	Cooker	1	А	С	6	2.5	0.4	61009-B	32	6	230	1.37	30
5	Downstairs Sockets	7	А	С	2.5	1.5	0.4	61009-B	32	6	230	1.37	30
6	Kitchen And Back Bedroom Sockets	10	Α	С	4	1.5	0.4	61009-B	20	6	230	2.19	30
7	Upstairs Sockets	12	Α	С	4	1.5	0.4	61009-B	20	6	230	2.19	30
8	Sockets	2	Α	С	4	1.5	0.4	61009-B	16	6	230	2.73	30
9	Doorbell And Smoke Alarms	12	Α	С	1	1	0.4	61009-B	6	6	230	7.28	30
10	Lobby, Upstairs Lights And Lights	17	Α	С	1	1	0.4	61009-B	6	6	230	7.28	30
11	Kitchen And Shower Room Lights	20	Α	С	1	1	0.4	61009-B	6	6	230	7.28	30
12	Spare	-	-	-	-	-	-	-	-	-	-	-	-
13	Spare	-	-	-	-	-	-	-	-	-	-	-	-
14	Spare	-	-	-	-	-	-	-	-	-	-	-	-
15	Spare	-	-	-	-	-	-	-	-	-	-	-	-
16	Spare	-	-	-	-	-	-	-	-	-	-	-	-
17	Spare	-	-	-	-	-	-	-	-	-	-	-	-
18	Spare	-	-	-	-	-	-	-	-	-	-	-	-
19	Spare	-	-	-	-	-	-	-	-	-	-	-	-

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TEST RESULTS DB-1 - Entrance Cupboard - (Lewden 19 ways)																	
		(mea	ing fir circuit asure to end	s d end	At lea one columi be comple	n to		sulation					RCD			AFDD	
Cct No	Designation	(r1) (Ω)	(rn) (Ω)	(r2) (Ω)	R1+R2 (Ω)	R2 (Ω)	IR Test voltage (V)	L-L (MΩ)	L-E (MΩ)	Polarity	Meas Zs (Ω)	Meas kA	RCD at IΔn (ms)	RCD at 5I∆n (ms)	RCD Test button	AFDD Test button	Circuit vulnerable to test
1	Shower	-	-	-	0.41	-	500	>200	>200	1	0.61	-	29.0	29.0	1	N/A	No
2	Hob 1	-	-	-	0.30	-	500	>200	>200	1	0.49	-	23.6	28.2	1	N/A	No
3	Hob 2	-	-	-	0.26	-	500	>200	>200	1	0.46	-	25.0	24.3	1	N/A	No
4	Cooker	-	-	-	0.11	-	500	>200	>200	1	0.31	-	28.9	29.0	1	N/A	No
5	Downstairs Sockets	0.60	0.60	0.82	0.24	-	500	>200	>200	1	0.42	-	24.1	28.5	1	N/A	No
6	Kitchen And Back Bedroom Sockets	-	-	-	0.53	-	500	>200	>200	1	0.72	-	24.0	28.7	1	N/A	No
7	Upstairs Sockets	-	-	-	0.20	-	500	>200	>200	1	0.44	-	28.8	28.9	1	N/A	No
8	Sockets	-	-	-	0.42	-	500	>200	>200	1	0.61	-	28.9	29.0	/	N/A	No
9	Doorbell And Smoke Alarms	-	-	-	0.22	-	500	>200	>200	1	0.43	-	29.3	29.0	1	N/A	No
10	Lobby, Upstairs Lights And Lights	-	-	-	0.35	-	500	>200	>200	1	0.51	-	29.0	29.0	1	N/A	No
11	Kitchen And Shower Room Lights	-	-	-	0.98	-	500	>200	>200	1	1.17	-	29.0	28.8	/	N/A	No
12	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19	Spare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

ENGINEER AND TEST INSTRUMENTS										
Multifunction	Continuity	Insulation resistance	EFLI Tester	RCD tester						
-	-	·								
Tested by (Capitals)		Signature		Date						
-										

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ELECTRICAL INSTALLATION CERTIFICATE GUIDANCE FOR RECIPIENTS

This CERTIFICATE is an important and valuable document which should be retained for future reference.

- 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 British Standard 7671:2018 as amended (the IET Wiring Regulations).
- You should have received a Certificate without watermarks and the company should have retained a duplicate. If you were the person ordering the work, but not the owner of the installation, you should pass this Certificate, or a full copy of it including the schedules, immediately to the owner.
- This Certificate should be retained in a safe place and be shown to any person inspecting or undertaking further 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 British Standard 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 documentation.
- For safety reasons, the electrical installation will need to be 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 on Page 1 under "NEXT INSPECTION".
- This Certificate is intended to be issued only for a new electrical installation or for new work associated with an alteration or an addition to an existing installation. It should not have been issued for the inspection of an existing electrical installation. An "Electrical Installation Condition Report (EICR)" should have been issued for such an inspection.
- This Certificate is only valid if accompanied by the Schedule of Inspections and the Schedule(s) of Test Results.

	CODES FOR TYPE OF WIRING											
Α	В	С	D	E	F	G	Н	O (Other)				
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	Thermoplastic / SWA cables	Thermosetting / SWA cables	MICC cables	Other cable types not listed here				
FP	TR	HT	SY	YY	CY	VIR						
FP 200 - standard fire resistant cable	Tri-rated - BS 6231 high temperature - flame retardant cable	Hi Tuff - waterproof with a tough PVC sheathing for outdoor use	SY cable - flexible instrumentation cable with a galvanised steel wire braid	YY cable - flexible instrumentation cable with a galvanised steel wire braid	CY cable - flexible instrumentation cable with a galvanised steel wire braid and a PETP separator	VIR - Vulcanised Indian Rubber cable - no Ionger manufactured						

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