

ELECTRICAL INSTALLATION CONDITION REPORT

KEWTECH

Acknowledgement: this certificate is based on the model in appendix 6 of BS 7671: 2008

CP Scheme: N/A

Membership No.

Page **1** of **6**

Report No. **EICR041**

CLIENT DETAILS		INSTALLATION ADDRESS	
SCDC		FLAT 4	
		CLIFF HOUSE	
		FELIX STOWE	
Postcode		Postcode	

PURPOSE FOR WHICH THIS REPORT IS REQUIRED

DETAILS OF THE INSTALLATION WHICH IS THE SUBJECT OF THIS REPORT

Occupier **AS ABOVE**

Address **FLAT 4, CLIFF HOUSE**

DESCRIPTION OF PREMISES (tick boxes as appropriate).

Domestic Commercial Industrial Other

Estimated age of the wiring system: Years **10**

Evidence of Alterations / Additions: Yes No Not apparent If 'Yes' estimate age

Date of last inspection: Records available: Yes No

Extent of electrical installation covered by this report

Agreed Limitations (See Reg 634.2)

FIXED WIRING WITHIN FLW.

Agreed with

Operational limitations

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 the inspector. This inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS 7671 : 2008 (IET Wiring Regulations), as amended to:

SUMMARY OF THE CONDITION OF THE INSTALLATION

General condition of the installation (in terms of electrical safety) **GENERAL WIRING IN GOOD CONDITION. CONSUMER UNIT + PROTECTION DOES NOT COMPLY WITH CURRENT REGULATIONS.**

Overall assessment of the installation in terms of its suitability for continued use: Satisfactory Unsatisfactory

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

RECOMMENDATIONS & NEXT INSPECTION

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'. Observations classified as 'Improvement recommended' (code C3) should be given due consideration.

Subject to the necessary remedial action being taken, I/We recommend that this installation is further inspected after an interval of not more than: **5** months/years

DECLARATION

I/We, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my/our signatures 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 of this report.

Inspected and tested by:		Report authorised for issue by:	
Name (Capitals) J. BENNETT	Date 21-3-16	Name (Capitals)	Date
Signature		Signature	
For/on behalf of SCN.		For/on behalf of	
Position		Position	
Address UFFORD PARK OFFICES		Address	

ELECTRICAL INSTALLATION CONDITION REPORT cont.

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KEWTECH

Page **2** of **6**

Report No. **E1ER 041**

SUPPLY CHARACTERISTICS & EARTHING ARRANGEMENTS

Earthing Arrangements		Number of Live Conductors		Nature of Supply Parameters	
TN-C	TN-S ✓	Phase 1	Wire 2	Normal Voltage U ₀	230 V
TN-C-S	TT	Other		Nominal Frequency f	50 Hz
IT		Confirmation of supply polarity		Prospective fault current I _{pf} *	kA
Supply Protective Device Characteristics				External loop impedance Z _e *	
Type	S / AUTHORITY,	Nominal current rating	A	* by enquiry or by measurement	

PARTICULARS OF INSTALLATION REFERRED TO IN THE CERTIFICATE

Means of Earthing	Details of Installation Earth Electrode (where applicable)	
Distributor's facility ✓	Type [eg. rod(s) tape etc]	
Installation earth electrode	Electrode resistance to Earth	Ω
	Location	

Main Protective Conductors

Earthing conductor:	Material	csa mm ²	Continuity and connection verified
Main protective bonding conductors:	Material COPPER	csa 10 mm ²	Continuity and connection verified
To incoming water service ✓	To incoming gas service	To incoming oil service	To structural steel
To lightning protection	To other incoming service(s) Specify		

Main Switch / Switch - Fuse / Circuit-Breaker / RCD

BS, Type	No. of poles 2	Voltage rating	V
Location LANDING	Current rating 150	A	Fuse rating or setting
Rated residual operating current I _{Δn} = <input type="text"/> mA, and operating time of <input type="text"/> ms (at I _{Δn}) (applicable only where an RCD is used as a main switch)			

OBSERVATIONS

Referring to the attached schedules of inspection and test results, and subject to the limitations specified at the **Extent and limitations of inspection and testing** section. No remedial action is required The following observations are made See below

OBSERVATIONS	CLASSIFICATION CODE	FURTHER INVESTIGATION REQUIRED (YES/NO)
1 INCOMING SUPPLY IS RUBBER INSULATED CABLES IN STEEL CONDUIT WITH THE CONDUIT AS EARTHING CONDUCTOR.	C3	YES
2 DISTRIBUTION BOARD DOES NOT COMPLY WITH 16TH EDITION REGS.	C3	
3 BURIED CABLES NOT COVERED BY RCD	C3	
4 EXPOSED CONNECTORS AT LIGHT FITTINGS ON LANDING.	C2	

One of the following codes, as appropriate, has been allocated to each of the observations made above to indicate to the person(s) responsible for the installation the degree of urgency for remedial action.

C1 - Danger present. Risk of injury. Immediate remedial action required

C2 - Potentially dangerous - urgent remedial action required

C3 - Improvement recommended

Schedules

The attached Schedules are part of this document and this Certificate is valid only when they are attached to it.

No. of Inspection Schedules attached **1 SET** No. of Test Result Schedules attached **1 SET,**

CONDITION REPORT INSPECTION SCHEDULE cont.

KEWTECH

Report No. **EICR041**

Page **4** of **6**

OUTCOMES	Acceptable condition	√	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Not verified	N/V	Limitation	LIM	Not applicable	N/A
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Item	Description	Outcome (Use codes above. Provide additional comment where appropriate. C1, C2 and C3 coded items to be recorded under observations in the Condition Report)	Further investigation required? (Y or N)
5.0 FINAL CIRCUITS			
5.1	Identification of conductors (514.3.1)	✓	
5.2	Cables correctly supported throughout their run (522.8.5)	✓	
5.3	Condition of insulation of live parts (416.1)	C2	
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)	NA	
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 (411.3.1.1; 543.1)	✓	
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: Extent and limitations) (522.6.101)	✓	
5.11	Concealed cables incorporating earthed armour or sheath, or run within earthed wiring system, or otherwise protected against mechanical damage from nails, screws and the like (see: Extent and limitations) (522.6.101; 522.6.103)	C3	
5.12	Provision of additional protection by RCD not exceeding 30mA:		
	• for supply to mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)	N/A.	
	• for all socket-outlets of rating 20 A or less provided for use by ordinary persons unless an exception is permitted (411.3.3)	C2	
	• for cables concealed in walls or partitions (522.6.102; 522.6.103)	C3	
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)	N/A	
5.15	Cables segregated/separated from communications cabling (528.2)	N/A	
5.16	Cables segregated/separated from non-electrical services (528.3)	✓	
5.17	Termination of cables at enclosures—indicate extent of sampling in Extent and limitations 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)	C3	
	• Adequately connected at point of entry to enclosure (glands, bushes etc.) (522.8.5)	✓	
5.18	Condition of accessories including socket-outlets, switches and joint boxes (621.2(iii))	✓	
5.19	Suitability of accessories for external influences (512.2)	✓	
6.0 LOCATION(S) CONTAINING A BATH OR SHOWER			
6.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30 mA (701.411.3.3)	C3	
6.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)	N/A	
6.3	Shaver sockets comply with BS EN 61558-2-5 formally BS 3535 (701.512.3)	N/A	
6.4	Presence of supplementary bonding conductors, unless not required by BS 7671: 2008 (701.512.2)	✓	
6.5	Low voltage (e.g. 230 volt) socket-outlets sited at least 3 m from zone 1 (701.512.3)	C2	
6.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	✓	
6.7	Suitability of equipment for installation in a particular zone (701.512.3)	C3	
6.8	Suitability of current-using equipment for particular position within the location (701.55)	✓	
7.0 OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS			
7.1	List all other special installations or locations present, if any. (Record separately the results of particular inspections applied.)		

Inspected by: Name (Capitals) J. BENNETT	Signature 	Date 21-3-16
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TC4/b

SCHEDULE OF TEST RESULTS

Acknowledgement: this certificate is based on the model in appendix 6 of BS 7671: 2008

Page 5 of 6

Certificate/Report No. EICR 041

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DB reference no.		Details of circuits and/or installed equipment vulnerable to damage when testing										Details of test instruments used (state serial and/or asset numbers)											
Location		LANDING.										Multifunction 8145855											
Zs at DB (Ω)		0.64 Ipf at DB (kA) 0.62										Insulation / continuity											
Correct supply polarity confirmed		<input checked="" type="checkbox"/>										Earth fault loop impedance											
Phase sequence confirmed (where appropriate)		<input type="checkbox"/>										RCD											
Tested by: Name (Capitals)		J. Bennett										Date 21-3-16											
Signature												Earth electrode res.											
Test Results																							
Circuit number	Circuit Description	Overcurrent Device				Conductor Details				Ring Final Circuit Continuity (Ω)			Continuity (Ω)		Insulation Resistance (MΩ)		Polarity	Zs (Ω)	RCD (ms)		Remarks (continue on a separate sheet if necessary)		
		BS (EN)	Type	Rating (A)	Breaking Capacity (kA)	Reference Method	Live (mm ²)	Cpc (mm ²)	R ₁ (line)	R _n (neutral)	R ₂ (cpc)	(R ₁ +R ₂)*	R ₂	Live-Live	Live-Earth	@ Δn			@ 5 Δn	Test Button Operation			
1	COOKER	60898	B	32	6			6	2.5														
2	W/ HEATER	60898	B	16	6			2.5	1.5														
3	BOILER.	60898	B	6	6			2.5	1.5														
4	LIGHTS KITCHEN, STAIRS.	60898	B	6	6			1.0	1.0														
5	LIGHTS LOUNGE, BEDROOM	60898	B	6	6			1.0	1.0														
6	LIGHTS BATHROOM, WC, UTILITY.	60898	B	6	6			1.0	1.0														
7	LIGHTS FIRE ESCAPE.	60898	B	6	6			1.0	1.0														
8	SHOWER	60898	B	32	6			6	2.5														
9	SPKS KITCHEN DINING RM	60898	B	32	6			2.5	1.5	0.59	0.59	1.00	0.54										
10	SPKS LOUNGE. UTILITY	60898	B	32	6			2.5	1.5	0.45	0.45	0.73	0.36										

*Where there are no spurs connected to a ring final circuit this value is also (R₁ + R₂) of the circuit.

