

ELECTRICAL INSTALLATION CONDITION REPORT

9839363 - Master



A. Details of the Client/Person Ordering the Report		B. Reason for Producing this Report	
Client:	Keith Potter	Purpose of this report:	5 Yearly EICR carried out at clients request
Address:	Mission Hall Sutton Poyntz Weymouth Dorset DT3 6LY	Date(s) on which Inspection: and testing was carried out	12/10/2020

C. Details of the Installation which is the Subject of this Report		Description of premises:		
Installation:	Mission Hall	Domestic	Commercial	Industrial
Occupier:	Community Hall	N/A	<input checked="" type="checkbox"/>	N/A
Address:	Mission Hall Sutton Poyntz Weymouth Dorset DT3 6LY	Other:	N/A	
Record of Installation available:	N/A	Estimated age of wiring system:	25 yrs	
Records held By:	N/A	Evidence of alterations or additions:	<input checked="" type="checkbox"/>	If yes estimated Age 1 yrs
		Date of previous inspection:	14/04/2018	

D. Extent and Limitations Inspection and Testing	
Extent of Electrical Installation covered by this report:	Agreed limitations including the reasons (See regulation 653.2)
Entire fixed electrical installation.	None
Operational Limitations including the reasons (See page No 14)	Agreed with name N/A
No inspection carried out behind heavy furniture or kitchen appliances, no inspection of high level light fittings so earth loop reading --See Additional Page--	
This inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS7671:2018 (IET Wiring Regulations) as amended to July 2018 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 inspector prior to the inspection. An inspection should be made within an accessible roof space housing other electrical equipment.	

E. Summary of the Condition of the Installation		General condition of the installations (In terms of electrical safety)
The installation is generally in a good condition with additional 30mA protection on most circuits. There are a few notes for --See Additional Page--		
Overall assessment of the installation	Satisfactory	*An unsatisfactory assessment indicates that dangerous (code C1) and/or potentially dangerous (code C2) conditions have been identified.

F. Recommendations	
Where the overall assessment of the suitability of the installation for continued use above is stated as SATISFACTORY, 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' (code FI). Observation classified as 'Improvement recommended' (code C3) should be given due consideration. Subject to the necessary remedial action being taken We recommend that the installation is further inspected and tested by 14/10/2025	

G. Declaration		We, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by 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 attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent and limitations in section D of this report.	
Trading Title and address	Turrell Ltd, Unit 3 Surrey Close, Granby Industrial Estate, Weymouth, Dorset, DT4 9TY	NICEIC Enrolment Number	20097000
		Branch No. (If Applicable)	N/A
Inspected and tested by:			
Name	Steve Hewish	Position	Electrician
Signature		Date	16/12/2020
Report authorised for issue by:			
Name	James Turrell	Position	Qualified Supervisor
Signature		Date	16/12/2020

H. Schedule(s)		The attached schedule(s) are part of this document and this report is valid only when they are attached to it.	
8 - 12 (even)	Schedule(s) of inspection and	9 - 13 (odd)	Schedule(s) of test results are attached

I. Supply Characteristics and Earthing Arrangements				Nature of Supply Parameters		Supply protective device					
Earthing Arrangements		Number and Type of Live Conductors									
TN-S	N/A	a.c.	<input checked="" type="checkbox"/>	d.c.	N/A	Nominal Voltage	U ⁽¹⁾	N/A	V	BS(EN)	1361 Fuse HBC
TN-C-S	<input checked="" type="checkbox"/>	1-Phase (2 wire)	<input checked="" type="checkbox"/>	1-Phase (3 wire)	N/A	Nominal Voltage	U ₀ ⁽¹⁾	230	V	Type	2
TN-C	N/A	2-Phase (3 wire)	N/A	3 Wire	N/A	Nominal frequency	f ⁽¹⁾	50	Hz	Prospective fault current	I _{pf} ⁽²⁾ 1.15 kA
TT	N/A	3-Phase (3 wire)	N/A	3-Phase (4 wire)	N/A	Other	N/A	External loop impedance	Z _e ⁽²⁾ 0.20 Ω	Nominal current rating	100 A
IT	N/A	Other	N/A			Number of supplies	1			Short circuit capacity	33 kA
Confirmation of supply polarity				<input checked="" type="checkbox"/>	(Note: (1) by enquiry, (2) by enquiry or by measurement)						

J. Particulars of Installation Referred to in the Report

Means of earthing		Details of installation Earth Electrode (where applicable)			
Distributor's facility	<input checked="" type="checkbox"/>	Type (e.g. rod(s), tape etc.)	N/A	Location	N/A
Installation earth electrode	N/A	Resistance to Earth	N/A Ω	Method of measurement	N/A

Main Protective Conductors Tick boxes and enter details as applicable

Earthing Conductor	Material	Copper	csa	16	mm ²	Continuity Verified	<input checked="" type="checkbox"/>	Connection Verified	<input checked="" type="checkbox"/>
Main protective bonding conductors	Material	Copper	csa	10	mm ²	Continuity Verified	<input checked="" type="checkbox"/>	Connection Verified	<input checked="" type="checkbox"/>

Bonding of Incoming Service					Maximum Demand (Load)			
Water installation pipes	<input checked="" type="checkbox"/>	Gas installation pipes	N/A	Structural Steel	N/A	Lightning protection	N/A	80 Amps
Oil installation pipes	N/A	Please State			Protective measure(s) against electric shock			ADS
Other incoming service(s)		N/A	N/A					

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

Location	In Loft Above Toilet			Current rating	100 A	if RCD main switch	
Type BS(EN)	60947-3	No of poles	2	Fuse/Device rating or setting	100 A	Rated residual operation current, IΔn	N/A mA
Supply Conductors material	Copper	Supply Conductors csa	25	Voltage rating	230 V	Rated time delay	N/A ms
						RCD Operating time at, IΔn	N/A ms

K. Observations

Referring to the attached schedule(s) of Inspection and Test Results, and subject to the limitations specified at the Extent and Limitations of the Inspection and testing section.

No remedial action is required. N/A The following observations are made

Item No	Observations	Code
1	Absence of RCD protection for cables installed at a depth of less than 50mm from a surface of a wall or partition where the cables do not incorporate an earthed metallic covering, are not enclosed in earthed metalwork, or are not mechanically protected against penetration by nails and the like.	C3
2	Bare protective conductor's of an insulated and sheathed cable not sleeved or colour coded to indicate its function	C3
3	--Observations continue on continuation sheet(s)--	N/A

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	<input type="text" value="0"/>
C2 - Potentially dangerous - urgent remedial action required	<input type="text" value="0"/>
C3 - Improvement recommended	<input type="text" value="5"/>
FI - Further investigation required without delay	<input type="text" value="0"/>

CONDITION REPORT INSPECTION SCHEDULE FOR DOMESTIC AND SIMILAR PREMISES WITH UP TO 100A SUPPLY

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Note: this form is suitable for many types of smaller installations not exclusively domestic.

Outcomes	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A
Item No	Description										Outcome		Comments	
1.0	External condition of intake equipment (visual inspection only)													
1.1	Service cable										✓		No	
1.2	Service head										✓		No	
1.3	Earthing arrangement										✓		No	
1.4	Meter tails										✓		No	
1.5	Metering equipment										✓		No	
1.6	Isolator (where present)										N/A		No	
2.0	Presence of adequate arrangements for other sources													
2.1	Presence of alternative/additional supply warning notices at the origin of the installation										N/A		No	
3.0	Earthing and bonding arrangements													
3.1	Presence and condition of distributor's earthing arrangement										✓		No	
3.2	Presence and condition of earth electrode connection, where appropriate										N/A		No	
3.3	Confirmation of earthing conductor size										✓		No	
3.4	Accessibility and condition of earthing conductor at Main Earthing Terminal (MET)										✓		No	
3.5	Confirmation of main protective bonding conductor sizes										✓		No	
3.6	Condition and accessibility of main protective bonding conductor connections										✓		No	
3.7	Condition and accessibility of other protective bonding connections										✓		No	
3.8	Provision of earthing and bonding labels at all appropriate locations										✓		No	
4.0	Consumer unit(s)/ Distribution board(s)													
4.1	Adequacy of working space/accessibility to consumer unit/ distribution board										✓		No	
4.2	Security of fixing										✓		No	
4.3	Condition of enclosure(s) in terms of IP rating										✓		No	
4.4	Condition of enclosure(s) in terms of fire rating										N/A		No	
4.5	Enclosure not damaged/deteriorated so as to impair safety										✓		No	
4.6	Presence of linked main switch										✓		No	
4.7	Operation of main switch(es) (functional check)										✓		No	
4.8	Operation of main switch (functional), main switch capable of being secured in the OFF position										✓		No	
4.9	Manual operation of circuit breakers and RCDs to prove disconnection (functional check)										✓		No	
4.10	Correct identification of circuits and protective devices										✓		No	
4.11	Presence of required charts and labels:													
4.11.1	Provision of diagram, chart, table or equivalent forms of information										✓		No	
4.11.2	Warning notice of durable material indicating there are live parts which are not capable of being isolated by a single device										N/A		No	
4.11.3	Periodic inspection notice positioned at or near the origin of the installation										✓		No	
4.11.4	Presence of RCD six-monthly test notice at or near consumer unit/distribution board										✓		No	
4.11.5	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit/distribution board										✓		No	
4.11.6	Presence of other required labelling provided										N/A		No	
4.12	Compatibility of protective device(s), base(s) and other components; correct type and rating (no signs of unacceptable thermal damage, arcing or overheating)										✓		No	
4.13	Single-pole switching or protective devices in the line conductors only										✓		No	
4.14	Protection against mechanical damage where cables enter consumer unit/ distribution board										✓		No	
4.15	Protection against electromagnetic effects where cables enter metallic consumer unit enclosure										✓		No	
4.16	RCDs provided for fault protection - includes RCBOs										✓		No	
4.17	RCDs provided for additional protection includes RCBOs										✓		No	
4.18	Confirmation of indication that SPD is functional										N/A		No	
4.19	Operation/adequacy of AFDD(s) where present										N/A		No	
4.20	Confirmation that conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure										✓		No	
4.21	Adequate arrangements where a generating set operates as a switched alternative to the public supply										N/A		No	
4.22	Adequate arrangements where a generating set operates in parallel with the public supply										N/A		No	

CONDITION REPORT INSPECTION SCHEDULE FOR DOMESTIC AND SIMILAR PREMISES WITH UP TO 100A SUPPLY CONTINUED

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Note: this form is suitable for many types of smaller installations not exclusively domestic.

Outcomes	Acceptable condition	✓	Unacceptable condition	State C1 or C2	Improvement recommended	State C3	Further investigation	F1	Not verified	N/V	Limitation	LIM	Not applicable	N/A
Item No	Description										Outcome	Comments		
5.0	Distribution/final circuits													
5.1	Identification of conductors										✓	No		
5.2	Cables correctly supported throughout										C3 (see section K)	Yes		
5.3	Condition of insulation of live parts										✓	No		
5.4	Non-sheathed live conductors protected by enclosure in conduit, ducting or trunking (including confirmation of the integrity of conduit and trunking systems)										✓	No		
5.5	Adequacy of cables for current-carrying capacity with regard to the type and nature of installation										✓	No		
5.6	Protective devices, type and rated current are suitable for fault protection										✓	No		
5.7	Presence and adequacy of circuit protective conductors										✓	No		
5.8	Co-ordination between conductors and overload protection devices										✓	No		
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences										C3 (see section K)	Yes		
5.10	Cables adequately protected against mechanical damage and abrasion										✓	No		
5.11	Provision of additional protection by 30 mA RCD for*:													
5.11.1	- all socket-outlets with a rated current not exceeding 32 A										✓	No		
5.11.2	- mobile equipment not exceeding a rating of 32 A for use outdoors										N/A	No		
5.11.3	- cables concealed in walls/partitions at a depth of less than 50 mm										C3 (see section K)	No		
5.11.4	- cables concealed in walls/partitions containing metal parts regardless of depth										N/A	No		
5.11.5	- all AC final circuits supplying luminaires within domestic household premises										N/A	No		
*Note: Older installations designed prior to BS 7671:2018 may not have been provided with RCDs for additional protection.														
5.12	Provision of fire barriers, sealing arrangements and protection against thermal effects										✓	No		
5.13	Band II cables segregated/separated from Band I cables										✓	No		
5.14	Cables segregated/separated from communications cabling										✓	No		
5.15	Cables segregated/separated from non-electrical services										✓	No		
5.16	Termination of cables at enclosures:													
5.16.1	Connections soundly made and under no undue strain										✓	No		
5.16.2	No basic insulation of a conductor visible outside enclosure										✓	No		
5.16.3	Connection of live conductors adequately enclosed										✓	No		
5.16.4	Adequately connected at point of entry to enclosure										✓	No		
5.17	Condition of accessories including socket-outlets, switches and joint boxes is satisfactory										✓	No		
5.18	Suitability of accessories for external influences										✓	No		
5.19	Adequacy of working space/accessibility to equipment										✓	No		
5.20	Single-pole switching or protective devices in line conductors only										✓	No		
6.0	Isolation and switching													
6.1	In general:													
6.1.1	Presence and condition of appropriate devices										✓	No		
6.1.2	Correct operation verified										✓	No		
6.2	For isolation and switching for mechanical maintenance only:													
6.2.1	Capable of being secured in the OFF position where appropriate										✓	No		
6.2.2	Acceptable location (local/remote)										✓	No		
6.2.3	Clearly identified by position and/or durable marking(s)										✓	No		
6.3	For isolation only:													
6.3.1	Warning label(s) posted in situations where live parts cannot be isolated by the operation of a single device										N/A	No		
7.0	Current-using equipment (permanently connected)													
7.1	Condition of equipment in terms of IP rating										✓	No		
7.2	Equipment does not constitute a fire hazard										C2 (see section K)	Yes		
7.3	Enclosure not damaged/deteriorated so as to impair safety										✓	No		
7.4	Suitability for the environment and external influences										✓	No		
7.5	Security of fixing										✓	No		
7.6	Cable entry holes in ceiling above luminaires sized or sealed so as to restrict the spread of fire										✓	No		
	List number and location of luminaires inspected in section 9													

Board Details

<p>TO BE COMPLETED IN EVERY CASE</p>		<p>ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION</p>		
<p>Location of Distribution Board Loft Above toilet</p>	<p>Supply to distribution board is from: N/A</p>	<p>Associated RCD (if any)</p>		<p>BS(EN) N/A</p>
<p>Distribution board designation DB 1</p>	<p>No of phases N/A Nominal Voltage N/A V</p>	<p>RCD No of Poles N/A</p>		<p>RCD Rating N/A mA</p>
<p>Overcurrent protective device for the distribution circuit</p>		<p>Type BS(EN) N/A</p>	<p>Rating N/A A</p>	<p>RCD Rating N/A mA</p>

Circuit Details

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa			Overcurrent protective device					RCD	Maximum permitted Zs (Ω)	
					Live mm ²	cpc mm ²	Max permitted disconnection times (s)	BS(EN)	AFDD	Type	Rating (A)	Short circuit capacity (kA)			Operating current (In)
1/S	Lights - Main Hall & Kitchen	A	C	13	1	1	0.4	60898 MCB		B	6	6	N/A	7.28	
2/S	Lights - WC & Cloakrooms	A	C	3	1	1	0.4	60898 MCB		B	6	6	N/A	7.28	
3/S	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	
4/S	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	
5/S	RCD Module (Split Board)	-	-	-	-	-	-	-	-	-	-	-	-	-	
6/S	RCD Module (Split Board)	-	-	-	-	-	-	-	-	-	-	-	-	-	
7/S	RCD Module (Split Board)	-	-	-	-	-	-	-	-	-	-	-	-	-	
8/S	Sockets - Entrance to Hall	A	C	3	2.5	1.5	0.4	60898 MCB		B	32	6	30	1.37	
9/S	Sockets - Stage	A	C	3	2.5	1.5	0.4	60898 MCB		B	32	6	30	1.37	
10/S	Cooker	A	C	1	10	4	0.4	60898 MCB		B	40	6	30	1.09	
11/S	Water Heater	A	C	1	2.5	1.5	0.4	60898 MCB		B	20	6	30	2.19	
12/S	Basin Water Heater	A	C	1	2.5	1.5	0.4	60898 MCB		B	16	6	30	2.73	

Wiring Code

A	B	C	D	E	F	G	H	O
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	Mineral-insulated cables	Other

Board Tests

TO BE COMPLETED IN EVERY CASE			TEST INSTRUMENTS (SERIAL NUMBERS) USED			
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate) N/A	Earth fault loop impedance	N/A	RCD	N/A
Supplementary Conductors	✓		Insulation resistance	N/A	Multi-function	SH - 1009986/10189/!
ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION			Continuity	N/A	Other	SH - 1009986/10189/!
Zs	N/A	Ω	Ipf	N/A	kA	
Operating times of associated RCD (if any) At IΔn			N/A	ms		

Details of circuits and/or equipment vulnerable to damage

Clients plugged in equipment, Light fittings, heating controls.

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance					Polarity (v)	Maximum measured earth fault loop impedance Ω	RCD		AFDD Test button operation	Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Test Voltage	Live/Live MΩ	Live/Neutral MΩ	Live/Earth MΩ	Earth/Neutral MΩ			Disconnection time (ms)	Test button operation		
	r ₁ (Line)	r _n (Neutral)	r ₂ (cpc)	(R ₁ + R ₂)	(R ₂)											
1/S	N/A	N/A	N/A	1.16	N/A	250	N/A	LIM	+99	+99	✓	1.37	N/A	N/A		NO
2/S	N/A	N/A	N/A	0.34	N/A	250	N/A	LIM	+99	+99	✓	0.68	N/A	N/A		NO
3/S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/S	0.43	0.43	0.71	0.26	N/A	250	N/A	LIM	+99	+99	✓	0.31	34.8	✓		NO
9/S	0.20	0.20	0.31	0.14	N/A	250	N/A	LIM	+99	+99	✓	0.42	34.8	✓		NO
10/S	N/A	N/A	N/A	0.26	N/A	250	N/A	LIM	+99	+99	✓	0.48	34.8	✓		NO
11/S	N/A	N/A	N/A	0.31	N/A	250	N/A	LIM	+99	+99	✓	0.51	34.8	✓		NO
12/S	N/A	N/A	N/A	0.14	N/A	250	N/A	LIM	+99	+99	✓	0.34	34.8	✓		NO

Tested By

Signature	<i>SE Hewish</i>	Position	Electrician
Name	Steve Hewish	Date of testing	12/10/2020

Board Details		TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION				
Location of Distribution Board	Loft Above Toilet	Supply to distribution board is from:	N/A	Associated RCD (if any)	BS(EN) N/A			
Distribution board designation	DB 2	No of phases	N/A	Nominal Voltage	N/A	V	RCD No of Poles	N/A
		Overcurrent protective device for the distribution circuit			RCD Rating	N/A mA		
		Type BS(EN)	N/A	Rating	N/A A			

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times (s)	Overcurrent protective device					RCD	Maximum permitted Z_s (Ω)	
					Live mm^2	cpc mm^2		BS(EN)	AFDD	Type	Rating (A)	Short circuit capacity (kA)			Operating current (Δn)
1/S	Sockets - Extension	A	C	8	2.5	1.5	0.4	60898 MCB		B	32	6	30	1.37	
2/S	Heater Disabled Toilet	A	C	1	2.5	1.5	0.4	60898 MCB		B	20	6	30	2.19	
3/S	Heater Kitchen	A	C	1	2.5	1.5	0.4	60898 MCB		B	20	6	30	2.19	
4/S	Water Heater Under Kitchen Sink	A	C	1	2.5	1.5	0.4	60898 MCB		B	20	6	30	2.19	

Wiring Code								
A	B	C	D	E	F	G	H	O
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	Mineral-insulated cables	Other

Board Tests

TO BE COMPLETED IN EVERY CASE	TEST INSTRUMENTS (SERIAL NUMBERS) USED		
Correct supply polarity confirmed ✓ Supplementary Conductors ✓	Phase sequence confirmed (where appropriate) N/A	Earth fault loop impedance N/A	RCD N/A
ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION		Insulation resistance N/A	Multi-function SH - 1009986/10189/!
Zs N/A Ω Ipfc N/A kA		Continuity N/A	Other SH - 1009986/10189/!
Operating times of associated RCD (if any) At 1 Δ n N/A ms			

Details of circuits and/or equipment vulnerable to damage

Clients plugged in equipment, Heaters and Heating controls. DB protected by 30mA RCD Main Switch

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance					Polarity (V)	Maximum measured earth fault loop impedance Ω	RCD		AFDD Test button operation	Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Test Voltage	Live/Live MΩ	Live/Neutral MΩ	Live/Earth MΩ	Earth/Neutral MΩ			Disconnection time (ms)	Test button operation		
	r ₁ (Line)	r _n (Neutral)	r ₂ (cpc)	(R ₁ + R ₂)	(R ₂)											
1/S	0.51	0.51	0.85	0.31	N/A	N/A	N/A	LIM	+99	+99	✓	0.50	20.4	✓		NO
2/S	N/A	N/A	N/A	0.33	N/A	N/A	N/A	LIM	+99	+99	✓	0.55	20.4	✓		NO
3/S	N/A	N/A	N/A	0.38	N/A	N/A	N/A	LIM	+99	+99	✓	0.68	20.4	✓		NO
4/S	N/A	N/A	N/A	0.43	N/A	N/A	N/A	LIM	+99	+99	✓	0.71	20.4	✓		NO

Tested By: Signature _____ Position: Electrician

Name: Steve Hewish Date of testing: 12/10/2020

Board Details

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION			
Location of Distribution Board	Loft Above toilet	Supply to distribution board is from:	N/A	Associated RCD (if any)	
Distribution board designation	DB 3	No of phases	N/A	Nominal Voltage	N/A V
		Overcurrent protective device for the distribution circuit			
		Type BS(EN)	N/A	Rating	N/A A
				BS(EN)	N/A
				RCD No of Poles	N/A
				RCD Rating	N/A mA

Circuit Details

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa			Overcurrent protective device					RCD	Maximum permitted Zs (Ω)	
					Live mm ²	cpc mm ²	Max permitted disconnection times (s)	BS(EN)	AFDD	Type	Rating (A)	Short circuit capacity (kA)			Operating current (Δn)
1/S	Sub Mains(DB 3A)	A	C	1	10	4	5	60898 MCB		C	50	10	N/A	0.44	
2/S	SPARE	-	-	-	-	-	-	-	-	-	-	-	-	-	

Wiring Code

A	B	C	D	E	F	G	H	O
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	Mineral-insulated cables	Other

Board Tests

TO BE COMPLETED IN EVERY CASE		TEST INSTRUMENTS (SERIAL NUMBERS) USED		
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)	N/A	
Supplementary Conductors	✓		Earth fault loop impedance	N/A RCD N/A
ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION			Insulation resistance	N/A Multi-function SH - 1009986/10189/!
Zs	N/A Ω	Ipf	N/A kA	Continuity N/A Other SH - 1009986/10189/!
Operating times of associated RCD (if any) At I _{Δn}		N/A	ms	

Details of circuits and/or equipment vulnerable to damage

Sub-main connections

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance					Polarity (v)	Maximum measured earth fault loop impedance Ω	RCD			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Test Voltage	Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			Disconnection time (ms)	Test button operation	AFDD Test button operation	
	r ₁ (Line)	r _n (Neutral)	r ₂ (cpc)	(R ₁ + R ₂)	(R ₂)											
1/S	N/A	N/A	N/A	0.04	N/A	250	N/A	LIM	+99	+99	✓	0.26	N/A	N/A		NO
2/S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature

Steve Hewish

Position

Electrician

Name

Steve Hewish

Date of testing

12/10/2020

Board Details

TO BE COMPLETED IN EVERY CASE		ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION					
Location of Distribution Board	High Level above	Supply to distribution board is from:	SubMains(DB 3, 1/S)		Associated RCD (if any)		
Distribution board designation	DB 3A	No of phases	1	Nominal Voltage	230 V	BS(EN)	N/A
		Overcurrent protective device for the distribution circuit	Type BS(EN)	60898 MCB C	Rating	50 A	RCD No of Poles
						RCD Rating	N/A mA

Circuit Details

Circuit number and phase	Circuit designation	Type of wiring	Reference method	No of points served	Circuit conductors csa		Max permitted disconnection times (s)	Overcurrent protective device					RCD Operating current (In)	Maximum permitted Zs (Ω)
					Live mm ²	cpc mm ²		BS(EN)	AFDD	Type	Rating (A)	Short circuit capacity (kA)		
1/S	Hall Heater - Stage Ceiling	A	C	1	2.5	1.5	0.4	60898 MCB		B	16	6	N/A	2.73
2/S	Hall Heater - Left Wall	A	C	1	2.5	1.5	0.4	60898 MCB		B	16	6	N/A	2.73
3/S	Hall Heater - Entrance Ceiling	A	C	1	2.5	1.5	0.4	60898 MCB		B	16	6	N/A	2.73
4/S	Hall Heater - Right Wall	A	C	2	2.5	1.5	0.4	60898 MCB		B	20	6	N/A	2.19

Wiring Code

A	B	C	D	E	F	G	H	O
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	Mineral-insulated cables	Other

Board Tests

TO BE COMPLETED IN EVERY CASE			
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)	N/A
Supplementary Conductors	✓		
ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION			
Zs	0.26 Ω	lpf	0.901 kA
Operating times of associated RCD (if any) At 1Δn N/A ms			

TEST INSTRUMENTS (SERIAL NUMBERS) USED			
Earth fault loop impedance	N/A	RCD	N/A
Insulation resistance	N/A	Multi-function	SH - 1009986/10189/!
Continuity	N/A	Other	SH - 1009986/10189/!

Details of circuits and/or equipment vulnerable to damage

Heaters, Heating controls

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance					Polarity (v)	Maximum measured earth fault loop impedance Ω	RCD		AFDD Test button operation	Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Test Voltage	Live/Live MΩ	Live/Neutral MΩ	Live/Earth MΩ	Earth/Neutral MΩ			Disconnection time (ms)	Test button operation		
	r ₁ (Line)	r _n (Neutral)	r ₂ (cpc)	(R ₁ + R ₂)	(R ₂)											
1/S	N/A	N/A	N/A	LIM	N/A	250	N/A	LIM	+99	+99		LIM	N/A	N/A		YES
2/S	N/A	N/A	N/A	0.41	N/A	250	N/A	LIM	+99	+99	✓	0.63	N/A	N/A		NO
3/S	N/A	N/A	N/A	LIM	N/A	250	N/A	LIM	+99	+99		LIM	N/A	N/A		YES
4/S	N/A	N/A	N/A	0.37	N/A	250	N/A	LIM	+99	+99	✓	0.57	N/A	N/A		NO

Tested By

Signature: SE Hewish Position: Electrician

Name: Steve Hewish Date of testing: 12/10/2020

Operational Limitations including the reasons. Continued. from page 1

taken at switch. Unable to access ceiling mounted heaters to take test reading. IR carried out with L+N linked to CPC to minimise damage to sensitive electronic equipment.

General condition of the installations (In terms of electrical safety). Continued. from page 1

improvement noted in section K of this report.

Observations Continued from Page 2

Item No	Description	Code
3	Consumer units not constructed of a non combustable material but no signs of thermal damage or loose connections and not located in an escape route.	N/A
4	5.0 Distribution/final circuits 5.2 Cables correctly supported throughout, Comment: Cables only supported by plastic clips but unlikely to cause an entanglement issue in the event of a fire.	C3
5	5.0 Distribution/final circuits 5.9 Wiring system(s) appropriate for the type and nature of the installation and external influences, Comment: Outside lights run in PVC/PVC cable run on the exterior of building but no signs of UV damage.	C3
6	5.0 Distribution/final circuits 5.11.3 - cables concealed in walls/partitions at a depth of less than 50 mm	C3

Code Key

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

C2 - Potentially dangerous - urgent remedial action required

C3 - Improvement recommended

F1 - Further investigation required without delay

DB 3A, 1/S, Hall Heater - Stage Ceiling - Remarks

Unable to take test reading at ceiling heater

DB 3A, 3/S, Hall Heater - Entrance Ceiling - Remarks

Unable to take test reading at ceiling heater