

ELECTRICAL INSTALLATION CONDITION REPORT

Company Report No.
Address



SECTION A. DETAILS OF THE CLIENT/PERSON ORDERING THE REPORT

Name Address

SECTION B. REASON FOR PRODUCING THIS REPORT

Start date End date

SECTION C. DETAILS OF THE INSTALLATION THAT IS THE SUBJECT OF THIS REPORT

Occupier Address
Details of premises Additional details
Estimated age of wiring Evidence of additions / alterations If yes estimate age
Installation records available (Regulation 651.1) Date of last inspection

SECTION D. EXTENT AND LIMITATIONS OF INSPECTING AND TESTING

Extent of electrical installation covered by this report

Visual inspection of main intake equipment. Inspection and testing of main protective conductors. Testing on 100% of final circuits. 10% of final accessories testing on each circuit. All buildings to be included.

Agreed limitations including the reasons (Regulation 653.2)

1. No disturbance of building fabric, fittings or sealed covers. 2. No dismantling/testing of controller equipment, emergency lighting, fire/security systems or portable appliances. Continuation on page no. 6

Operational limitations including the reasons

See page no. 6

The inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS 7671: 2018+A2:2022 (IET Wiring Regulations). 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. Inspection of accessible roof space housing other electrical equipment only if practicable.

SECTION E. SUMMARY OF THE CONDITION OF THE INSTALLATION

General condition of the installation (in terms of electrical safety)

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

UNSATISFACTORY

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

SECTION F. RECOMMENDATIONS


Where the overall assessment of the suitability of the installation for continued use above is stated as UNSATISFACTORY, I/we recommend that any observations classed 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). Observations classified as 'Improvements recommended' (code C3) should be given due consideration.


Subject to the necessary remedial action being taken, I/we recommend that the installation is further inspected and tested by:

This is the usual period recommended for this type of property.

SECTION G. 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 in Section D of this report.

Inspected and tested by 
Date Digitally Signed
Position
For/on behalf of

Authorised and issue by 
Date
Position
For/on behalf of

SECTION H. SCHEDULE(S)

schedule(s) of inspection and schedule(s) of test results are attached.

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

Page

ELECTRICAL INSTALLATION CONDITION REPORT

Occupier Date Report No.

SECTION I. SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Earthing arrangements	Nature of supply parameters	Supply Protective Device
<input type="text" value="TN-C-S"/>	Nominal voltage, U / U ₀ ⁽¹⁾ <input type="text" value="400/230"/> V	BS (EN) <input type="text" value="1361"/>
Number and Type of Live Conductors	Nominal frequency, f ⁽¹⁾ <input type="text" value="50"/> Hz	Type <input type="text" value="II"/>
<input type="text" value="AC"/> <input type="text" value="3-phase, 4 wire"/>	Prospective fault current, I _{pf} ⁽²⁾ <input type="text" value="4.04"/> kA	Rated current (A) <input type="text" value="80"/>
Confirmation of supply polarity <input checked="checked" type="checkbox"/>	External loop impedance, Z _e ^(2,3) <input type="text" value="0.11"/> Ω	
Other sources of supply <input type="text" value="N/A"/>	Note: ⁽¹⁾ by enquiry, ⁽²⁾ by enquiry or measurement, ⁽³⁾ see continuation page for operational limitations.	

SECTION J. PARTICULARS OF INSTALLATION REFERRED TO IN THE REPORT

Means of Earthing	Details of Installation Earth Electrode		Electrode resistance to earth
<input type="text" value="Distributor's facility"/>	Type <input type="text" value="N/A"/>	Location <input type="text" value="N/A"/>	<input type="text" value="N/A"/>
Main Protective Conductors			
Earthing conductor	Material <input type="text" value="Copper"/>	csa <input type="text" value="16"/> mm ²	Connection / continuity verified <input checked="checked" type="checkbox"/>
Main protective bonding conductors	Material <input type="text" value="Copper"/>	csa <input type="text" value="10"/> mm ²	Connection / continuity verified <input checked="checked" type="checkbox"/>
To water installation pipes <input checked="checked" type="checkbox"/>	To gas installation pipes <input checked="checked" type="checkbox"/>	To oil installation pipes <input type="text" value="N/A"/>	To structural steel <input type="text" value="N/A"/>
To lightning protection <input type="text" value="N/A"/>	To other <input type="text" value="N/A"/>		
Main switch / Switch-Fuse / Circuit-Breaker / RCD		If RCD main switch	
Location <input type="text" value="SWITCH ROOM"/>		RCD Type <input type="text" value="N/A"/>	
BS(EN) <input type="text" value="60947-3"/>	Current rating <input type="text" value="125"/> A	Rated residual operating current (I _{Δn}) <input type="text" value="N/A"/> mA	
No. of poles <input type="text" value="3"/>	Fuse / device rating or setting <input type="text" value="--"/> A	Rated time delay <input type="text" value="N/A"/> ms	
	Voltage rating <input type="text" value="400"/> V	Measured operating time <input type="text" value="N/A"/> ms	

SECTION K. OBSERVATIONS

Referring to the attached schedule of inspection and test results, and subject to the limitations specified in the *Extent & limitations of inspection and testing* section.

The following observations are made (see below) Continued on additional page(s)

ITEM NO.	OBSERVATIONS	BS REFERENCE	CODE
1	NO PROTECTION BY 30mA RCD FOR SOCKET-OUTLETS.	7671: 411.3.3 (5.12.1)	C3
2	INTEGRITY OF CONDUIT AND TRUNKING SYSTEMS (METALLIC AND PLASTIC). TRUNKING BY DB1 NOT COMPLETE	7671: 521.10.1 (5.4.1)	C2
3	CONDUCTORS AND OVERLOAD PROTECTIVE DEVICES NOT CO-ORDINATED. MULTIPLE RINGS IN ONE MCB	7671: 433.1; 533.2.1 (5.6)	C3
4	LV CIRCUITS NOT PROTECTED BY 30mA RCD.	7671: 701.411.3.3 (6.1)	C3
5	ADEQUACY OF CABLES FOR CURRENT-CARRYING CAPACITY WITH REGARD FOR THE TYPE AND NATURE OF INSTALLATION. 2 X RADIALS ON 32A BREAKER 4L3	7671: SECTION 523 (5.5)	C2
6	CONDITION OF ACCESSORIES. BROKEN SWITCH ** FIXED ON SITE	7671: 651.2(V) (5.18)	C2

Total No. of DBs Total No. of Circuits No. of codes C1 C2 C3 FI

One of the following codes, as appropriate, has been allocated to each of the observations made to indicate the degree of urgency of remedial action required

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

C2 - Potentially dangerous. Urgent remedial action required.

C3 - Improvement recommended.

FI - Further investigation required without delay.

ELECTRICAL INSTALLATION CONDITION REPORT

Report No. 19557

Occupier

Company

SCHEDULE OF INSPECTIONS - OUTCOMES

Acceptable condition	✓	Unacceptable condition	C1 or C2	Improvement recommended	C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A
ITEM NO	DESCRIPTION												OUTCOME
1.0	INTAKE EQUIPMENT (VISUAL INSPECTION ONLY)												
	An outcome against an item in this section, other than access to live parts, will not be used to determine the overall outcome												
1.1	<ul style="list-style-type: none"> • Service cable • Service head • Earthing arrangement • Meter tails • Metering equipment • Isolator (where present) 												LIM
	Person ordering work notified												N/A
1.2	Consumer's isolator (where present)												LIM
1.3	Consumer's meter tails												LIM
2.0	PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES SUCH AS MICROGENERATORS (551.6; 551.7)												N/A
3.0	EARTHING / BONDING ARRANGEMENTS (411.3; Chap 54)												
3.1	Presence and condition of distributor's earthing arrangement (542.1.2.1; 542.1.2.2)												LIM
3.2	Presence and condition of earth electrode connection where applicable (542.1.2.3)												N/A
3.3	Provision of earthing/bonding labels at all appropriate locations (514.13.1)												✓
3.4	Confirmation of earthing conductor size (542.3; 543.1.1)												LIM
3.5	Accessibility and condition of earthing conductor at MET (543.3.2)												LIM
3.6	Confirmation of main protective bonding conductor sizes (544.1)												✓
3.7	Condition and accessibility of main protective bonding conductor connections (543.3.2; 544.1.2)												✓
3.8	Accessibility and condition of other protective bonding connections (543.3.1; 543.3.2)												N/A
4.0	CONSUMER UNIT(S) / DISTRIBUTION BOARD(S)												
4.1	Adequacy of working space/accessibility to consumer unit/distribution board (132.12; 513.1)												C3
4.2	Security of fixing (134.1.1)												✓
4.3	Condition of enclosure(s) in terms of IP rating etc (416.2)												✓
4.4	Condition of enclosure(s) in terms of fire rating etc (421.1.201;526.5)												✓
4.5	Enclosure not damaged/deteriorated so as to impair safety (651.2)												✓
4.6	Presence of main linked switch (as required by 462.1.201)												✓
4.7	Operation of main switch (functional check) (643.10)												✓
4.8	Manual operation of circuit-breakers and RCDs to prove disconnection (643.10)												✓
4.9	Correct identification of circuit details and protective devices (514.8.1; 514.9.1)												✓
4.10	Presence of RCD six-monthly test notice at or near consumer unit / distribution board (514.12.2)												C3
4.11	Presence of alternative supply warning notice at or near consumer unit / distribution board (514.15)												N/A
4.12	Presence of other required labelling (please specify) (Section 514)												N/A
4.13	Compatibility of protective devices, bases and other components; correct type and rating (No signs of unacceptable thermal damage, arcing or overheating) (411.3.2; 411.4; 411.5; 411.6; Sections 432, 433)												✓
4.14	Single-pole protective devices in line conductor only (132.14.1; 530.3.3)												✓
4.15	Protection against mechanical damage where cables enter consumer unit / distribution board (132.14.1; 522.8.1; 522.8.5; 522.8.11)												✓
4.16	Protection against electromagnetic effects where cables enter consumer unit / distribution board / enclosures (521.5.1)												✓
4.17	RCD(s) provided for fault protection – includes RCBOs (411.4.204; 411.5.2; 531.2)												N/A
4.18	RCD(s) provided for additional protection/requirements - includes RCBOs (411.3.3; 415.1)												C3
4.19	Confirmation of indication that SPD is functional (651.4)												N/A
4.20	Confirmation that ALL conductor connections , including connections to busbars, are correctly located in terminals and are tight and secure (526.1)												✓
4.21	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)												N/A
4.22	Adequate arrangements where a generating set operates in parallel with public supply (551.7)												N/A

Date: 30/11/2022

Page: 4 of 14

ELECTRICAL INSTALLATION CONDITION REPORT

Report No. 19557

Occupier

Company

SCHEDULE OF INSPECTIONS - OUTCOMES

Acceptable condition	✓	Unacceptable condition	C1 or C2	Improvement recommended	C3	Further investigation	FI	Not verified	N/V	Limitation	LIM	Not applicable	N/A
ITEM NO	DESCRIPTION												OUTCOME
5.0	FINAL CIRCUITS												
5.1	Identification of conductors (514.3.1)												✓
5.2	Cables correctly supported throughout their run (521.10.202; 522.8.5)												LIM
5.3	Condition of insulation of live parts (416.1)												LIM
5.4	Non-sheathed cables protected by enclosure in conduit, duct or trunking (521.10.1) • To include the integrity of conduit and trunking systems (metallic and plastic)												✓ C2
5.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)												C2
5.6	Co-ordination between conductors and overload protective devices (433.1; 533.2.1)												C3
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; Section 543)												✓
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 Section D <i>Extent and limitations</i>) (522.6.202)												N/V
5.11	Cables concealed under floors, above ceilings or in walls/partitions, adequately protected against damage (see Section D) (522.6.204)												N/V
5.12	Provision of additional requirements for protection by RCD not exceeding 30 mA: • for all socket-outlets of rating 32 A or less unless an exception is permitted (411.3.3) • for supply to mobile equipment not exceeding 32 A rating for use outdoors (411.3.3) • for cables concealed in walls at a depth of less than 50 mm (522.6.202; 522.6.203) • for cables concealed in walls/partitions containing metal parts regardless of depth (522.6.203) • Final circuits supplying luminaires within domestic (household) premises (411.3.4)												C3 C2 N/A N/A C3
5.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)												LIM
5.14	Band II cables segregated / separated from Band I cables (528.1)												LIM
5.15	Cables segregated / separated from communications cabling (528.2)												LIM
5.16	Cables segregated / separated from non-electrical services (528.3)												LIM
5.17	Termination of cables at enclosures – indicate extent of sampling in Section D 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) • 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 (651.2(v))												C2
5.19	Suitability of accessories for external influences (512.2)												✓
5.20	Adequacy of working space/accessibility to equipment (132.12; 513.1)												✓
5.21	Single-pole switching or protective devices in line conductors only (132.14.1, 530.3.3)												✓
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 formerly BS 3535 (701.512.3)												N/A
6.4	Presence of supplementary bonding conductors, unless not required by BS 7671:2018 (701.415.2)												✓
6.5	Low voltage (e.g. 230 volts) socket-outlets sited at least 3 m from zone 1 (701.512.3)												N/A
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)												✓
6.8	Suitability of current-using equipment for a particular position within the location (701.55)												✓
7.0	OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS												
7.1	Other special installations or locations present, if any. (Record separately the results of particular inspections applied).												--
8.0	PROSUMER'S LOW VOLTAGE ELECTRICAL INSTALLATION(S)												
8.1	Additional requirements and recommendations relating to Chapter 82												N/A

Inspected by

Signed 
Digitally Signed

Date 30/11/2022

Page 5 of 14

ELECTRICAL INSTALLATION CONDITION REPORT

Occupier

Report No.

Company

Date

CONTINUATION PAGE: 1

Continued from Page 1

SECTION E: General conditional of the installation

Main earthing arrangement for the installation is TN-C-S.

Main protective bonding conductor(s) and connection(s) are accessible and have been inspected and tested.

Main intake equipment is accessible and has been externally inspected.

Wiring within the installation for final circuits and distribution circuits consist of (*Circuits may consist of more than one type of wiring*) :

A - Thermoplastic insulated / sheathed cables (36 ccts). F - Thermoplastic / SWA cables (1 ccts).

H - Mineral insulated cables (1 ccts).

Site has changed use temporarily since last visit. It is currently looked after by live-in guardians

Maximum permitted earth fault loop impedance displayed values are from Chapter 41 of BS 7671: 2018+A2:2022 unless stated below:

N/A

SECTION D: Operational limitations

- 1 Z_e taken from first available access point to main supply - this value may include parallel earth paths. (not removed at the time of inspection)
- 2 Restricted access to main incoming - information for supply taken from previous report
- 3 Datalogger not left as no secure place to leave it
- 4 residents on site - no access to some rooms as they were busy and not able to be disturbed.
- 5 office area used as storage. No access to accessories
- 6 no access to DB2 - board in false ceiling in loft.

SECTION D: Agreed limitations

- 3 Where it is not possible/practicable to de-energise circuits, or where the inspector thinks that de-energisation may cause disruption to the site's activities and/or impair safety, the extent of the testing will be limited.
- 4 Where circuits are found to be fitted in such a way that reconnecting them after testing may involve some alteration to the conductors, the extent of the testing may be limited. Dismantling of the installation will be only where the inspector(s) judge it to be necessary.
- 5 For safety reasons earth loop impedance figures have been obtained with some parallel paths connected.
- 6 Conductor csa and Reference Methods are estimated where installation records are not available.
- 7 Unless by specific agreement, unidentified circuits will not be traced.
- 8 Figures may be obtained by measurement or calculation.
- 9 Where circuits are unidentified, and/or cannot be readily located, and/or in the absence of diagrams or charts, or where the inspector feels that the information provided may be inaccurate or incomplete to the extent of impairing safety, the inspection may be limited.
- 10 Supplies not provided by a distributor (e.g. photovoltaic) are excluded.
- 11 IR Testing will be at 250V where circuits may include sensitive electronic devices that cannot be disconnected.
- 12 IR Testing will be between Live-Earth only, where circuits include equipment that cannot be disconnected and that which may influence instrument values.

ELECTRICAL INSTALLATION CONDITION REPORT

Occupier
Company

Report No.
Date

GUIDANCE FOR RECIPIENTS

(to be appended to the Report)

- 1 The purpose of this Report is to confirm, as far as reasonably practicable, whether or not the electrical installation is in a satisfactory condition for continued service (see Section E). The Report should identify any damage, deterioration, defects and/or conditions which may give rise to danger (see Section K).
- 2 This Report is only valid if accompanied by the Inspection Schedule(s) and the Schedule(s) of Circuit Details and Test Results.
- 3 The person ordering the Report should have received the 'original' Report and the inspector should have retained a duplicate.
- 4 The 'original' Report should be retained in a safe place and be made available to any person inspecting or undertaking work on the electrical installation in the future. If the property is vacated, this Report will provide the new owner/occupier with details of the condition of the electrical installation at the time the Report was issued.
- 5 Section D (Extent and Limitations) should identify fully the extent of the installation covered by this Report and any limitations on the inspection and testing. The inspector should have agreed these aspects with the person ordering the Report and with other interested parties (licensing authority, insurance company etc.) before the inspection was carried out.
- 6 Some operational limitations such as inability to gain access to parts of the installation or an item of equipment may have been encountered during the inspection (see Section D).
- 7 For items classified in Section K as C1 ('Danger present') the safety of those using the installation is at risk, and it is recommended that a skilled person or persons competent in electrical installation work undertakes the necessary remedial work immediately.
- 8 For items classified in Section K as C2 ('Potentially dangerous') the safety of those using the installation may be at risk and it is recommended that a skilled person or persons competent in electrical installation work undertakes the necessary remedial work as a matter of urgency.
- 9 Where it has been stated in Section K that an observation requires further investigation (code FI) the inspection has revealed an apparent deficiency which may result in a code C1 or C2, and could not, due to the extent or limitations of the inspection, be fully identified. Such observations should be investigated without delay. A further examination of the installation will be necessary, to determine the nature and extent of the apparent deficiency (see Section F).
- 10 For safety reasons, the electrical installation should be re-inspected at appropriate intervals by a skilled person or persons, competent in such work. The recommended date by which next inspection is due is stated in Section F of the Report under 'Recommendations'.
- 11 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.
- 12 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.
- 13 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.
- 14 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.

ADDITIONAL RECOMMENDATIONS

- 1 Where inadequacies in distributor's equipment are encountered, it is recommended that the person ordering the report informs the appropriate authority without delay.

INSPEXX LTD

Inspexx Ltd is a trusted partner in electrical inspection, energy management and fire safety inspection services. Combining highly skilled technical engineers with a dedicated customer support team, Inspexx Ltd is the solution for companies who require expertise in compliance management. The company cannot be held responsible for damage to equipment and/or premises, or loss and/or disruption to the business (including loss of data), claimed as a result of inspection. Whereas the company endeavours to exercise reasonable diligence during the inspection process, it does not accept any liability for its accuracy or completeness.

SCHEDULE OF CIRCUIT DETAILS

Report No. 19557

Occupier: The Studley Centre

DB reference: DB1

DB manufacturer / range: MEM 2

Location: SWITCH ROOM CUPBOARD

Supply to DB is from: MAIN SUPPLY

Nominal voltage: 400/230 Phases: 3 No. of ways: 12 SPD Details: N/A Distribution circuit OCPD: BS (EN): 60947-3 Type: 3 Rating: 125

Circuit reference	Associated RCD Type: (BS EN)	N/A	I _{Δn}	N/A	Conductor details			Overcurrent protective device					RCD			
					Type of wiring	Reference Method	Number of points served	BS (EN)	Type	Rating (A)	Breaking capacity (kA)	Maximum permitted Z _s (Ω)	BS (EN)	Type	I _{Δn} (mA)	Rating (A)
Way	Line Number	Circuit Description	Live (mm ²)	cpc (mm ²)	Number & size											
1	L1	TEMP SHOWER	A	B	LIM	10	4.0	61009	C	32	10	0.68	61009	AC	30	32
1	L2	SPARE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1	L3	SPARE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2	L1	HAND LAMP - PLANT ROOM	A	B	LIM	2.5	1.5	60898	C	2	10	N/V	N/A	N/A	N/A	N/A
2	L2	CLEANERS - WATER HEATER	A	B	LIM	2.5	1.5	60898	C	16	10	1.37	N/A	N/A	N/A	N/A
2	L3	WC HAND DRYER	A	B	LIM	2.5	1.5	60898	C	20	10	1.09	N/A	N/A	N/A	N/A
3	L1	GIRLS WATER HEATER	A	B	LIM	2.5	1.5	60898	C	16	10	1.37	N/A	N/A	N/A	N/A
3	L2	DISABLED WC WATER HEATER	A	B	LIM	2.5	1.5	60898	B	16	10	2.73	N/A	N/A	N/A	N/A
3	L3	SOCKETS	A	B	LIM	2.5	1.5	60898	B	32	10	1.37	N/A	N/A	N/A	N/A
4	L1	COOKER	A	B	LIM	6.0	2.5	60898	C	32	10	0.68	N/A	N/A	N/A	N/A
4	L2	SOCKETS DARK ROOM	A	B	LIM	2.5	2.5	60898	C	32	10	0.68	N/A	N/A	N/A	N/A
4	L3	ROLLER SHUTTER	A	B	LIM	2.5	2.5	60898	D	32	10	0.34	N/A	N/A	N/A	N/A
5	L1	LIGHTS SWITCH ROOM, BOILER	A	B	LIM	1.5	1.0	60898	C	6	10	3.64	N/A	N/A	N/A	N/A
5	L2	SPARE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5	L3	EM LIGHTS	A	B	LIM	2.5	2.5	60898	C	16	10	1.37	N/A	N/A	N/A	N/A
6	L1	DBL1	A	B	LIM	6.0	TRK	60898	C	32	10	0.68	N/A	N/A	N/A	N/A
6	L2	LIGHTS STREET	A	B	LIM	2.5	2.5	60898	B	16	10	2.73	N/A	N/A	N/A	N/A
6	L3	SOCKETS	A	B	LIM	2.5	1.5	60898	C	32	10	0.68	N/A	N/A	N/A	N/A
7	TP	SPARE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8	L1	SPARE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8	L2	SPARE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8	L3	HAND DRYER WC	A	B	LIM	2.5	2.5	60898	C	10	10	2.19	N/A	N/A	N/A	N/A
9	L1	WATER HEATER KITCHEN	A	B	LIM	2.5	2.5	60898	C	10	10	2.19	N/A	N/A	N/A	N/A
9	L2	SOCKETS BOILER ROOM	F	C	LIM	2.5	2.5	60898	C	10	10	2.19	N/A	N/A	N/A	N/A

Codes for types of wiring:

A Thermoplastic insulated / sheathed cables	B Thermoplastic cables in metallic conduit	C Thermoplastic cables in non-metallic conduit	D Thermoplastic cables in metallic trunking	E Thermoplastic cables in non-metallic trunking	F Thermoplastic / SWA cables	G Thermosetting / SWA cables	H Mineral insulated cables	I Vulcanised Rubber insulated cables	J Fire Performance cables
---	--	--	---	---	--	--	--------------------------------------	--	-------------------------------------

Date: 30/11/2022

Page: 9 of 14

SCHEDULE OF TEST RESULTS

Report No. 19557

Occupier: The Studley Centre

DB reference: DB1

Details of test instrument(s) Earth fault loop impedance: 101237452

Z_s at DB (Ω): 0.11 I_{pf} at DB (kA): 4.04 Thermal reference: N/A

RCD: 101237452 Insulation resistance: 101237452

Confirmed: Correct Polarity Phase sequence SPD operational status N/A

Continuity: 101237452 Earth electrode resistance: 101237452

Circuit reference	Continuity (Ω)						Insulation Resistance			Z _s (Ω)	RCD		AFDD	Remarks	
	Way	Line Number	Ring final circuit			(R ₁ +R ₂) or R ₂	Test voltage (V)	Live-Live (MΩ)	Live-Earth (MΩ)		Polarity	Maximum measured			Disconnection time (ms)
r ₁ (line)			r _n (neutral)	r ₂ (opc)	(R ₁ +R ₂)	R ₂									
1	L1	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	✓	0.41	<40	✓	N/A	--
1	L2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1	L3	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2	L1	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	✓	0.16	N/A	N/A	N/A	--
2	L2	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	✓	0.20	N/A	N/A	N/A	--
2	L3	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	✓	0.38	N/A	N/A	N/A	--
3	L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	LIM	--	LIM	N/A	N/A	N/A	NO POWER AT TIME OF EICR
3	L2	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	✓	0.40	N/A	N/A	N/A	--
3	L3	0.55 0.42	0.58 0.42	0.44 0.75	N/A	✓	N/A	N/A	LIM	✓	0.40	N/A	N/A	N/A	2 X RING CIRCUITS
4	L1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	LIM	--	LIM	N/A	N/A	N/A	NO LOCAL ISOLATION
4	L2	0.13	0.14	0.13	N/A	✓	N/A	N/A	LIM	✓	0.19	N/A	N/A	N/A	--
4	L3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	LIM	--	LIM	N/A	N/A	N/A	--
5	L1	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	✓	0.29	N/A	N/A	N/A	--
5	L2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5	L3	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	✓	0.15	N/A	N/A	N/A	--
6	L1	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	✓	0.16	N/A	N/A	N/A	--
6	L2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	LIM	--	LIM	N/A	N/A	N/A	--
6	L3	0.44	0.44	0.73	N/A	N/A	N/A	N/A	LIM	--	LIM	N/A	N/A	N/A	NO ACCESS
7	TP	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8	L1	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8	L2	--	--	--	--	--	--	--	--	--	--	--	--	--	--
8	L3	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	✓	0.42	N/A	N/A	N/A	--
9	L1	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	✓	0.22	N/A	N/A	N/A	--
9	L2	N/A	N/A	N/A	N/A	✓	N/A	N/A	LIM	✓	0.19	28.20	N/A	N/A	RCD SOCKET

Tested by: D. Holmes

Signed: 
Digitally Signed

Date: 30/11/2022

Company: INSPEXX LTD.

Page: 10 of 14

SCHEDULE OF CIRCUIT DETAILS

Report No.

19557

Occupier:

The Studley Centre

DB reference:

DB1

DB manufacturer / range:

MEM 2

Location:

SWITCH ROOM CUPBOARD

Supply to DB is from:

MAIN SUPPLY

Nominal voltage:

400/230

Phases:

3

No. of ways:

12

SPD Details:

N/A

Distribution circuit OCPD: BS (EN):

60947-3

Type:

3

Rating:

125

Circuit reference	Associated RCD Type: (BS EN)	N/A	I _{Δn}	N/A	Conductor details			Overcurrent protective device					RCD			
					Type of wiring	Reference Method	Number of points served	Number & size		BS (EN)	Type	Rating (A)	Breaking capacity (kA)	Maximum permitted Z _s (Ω)	BS (EN)	Type
Way	Line Number	Circuit Description	Live (mm ²)	cpc (mm ²)												
9	L3	FAN HEATER WC	A	B	LIM	2.5	2.5	60898	C	10	10	2.19	N/A	N/A	N/A	N/A
10	L1	SOCKETS	A	B	LIM	2.5	2.5	61009	B	20	10	2.19	61009	A	30	20
10	L2	FAN HEATER MALE WC	A	B	LIM	2.5	2.5	60898	C	10	10	2.19	N/A	N/A	N/A	N/A
10	L3	SPARE	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11	L1	DB 02	A	B	LIM	16	LIM	60898	C	63	10	0.35	N/A	N/A	N/A	N/A
11	L2	BMS PANEL	A	B	LIM	6.0	6.0	60898	B	32	10	1.37	N/A	N/A	N/A	N/A
11	L3	SOCKETS COMPUTER ROOM	A	B	LIM	2.5	2.5	60898	C	32	10	0.68	N/A	N/A	N/A	N/A
12	TP	RECREATIONAL AREA LIGHTS	A	B	LIM	6.0	6.0	60898	C	32	10	0.68	N/A	N/A	N/A	N/A

Codes for types of wiring:

A Thermoplastic insulated / sheathed cables	B Thermoplastic cables in metallic conduit	C Thermoplastic cables in non-metallic conduit	D Thermoplastic cables in metallic trunking	E Thermoplastic cables in non-metallic trunking	F Thermoplastic / SWA cables	G Thermosetting / SWA cables	H Mineral insulated cables	I Vulcanised Rubber insulated cables	J Fire Performance cables
---	--	--	---	---	--	--	--------------------------------------	--	-------------------------------------

Date: 30/11/2022

Page: 11 of 14

SCHEDULE OF CIRCUIT DETAILS

Report No. 19557

Occupier: The Studley Centre

DB reference: DBL1

DB manufacturer / range: MEM2

Location: OFFICE CUPBOARD

Supply to DB is from: DB01

Nominal voltage: 230 Phases: 1 No. of ways: 16 SPD Details: N/A Distribution circuit OCPD: BS (EN): 60947-3 Type: 2 Rating: 100

Circuit reference	Associated RCD Type: (BS EN)	N/A	I _{Δn}	N/A	Conductor details				Overcurrent protective device					RCD			
					Type of wiring	Reference Method	Number of points served	Number & size		BS (EN)	Type	Rating (A)	Breaking capacity (kA)	Maximum permitted Z _s (Ω)	BS (EN)	Type	I _{Δn} (mA)
Live (mm ²)	cpc (mm ²)	Way	Line Number	Circuit Description													
1	LIGHTS CLOAKS	A	B	LIM	1.5	TRK	60898	C	10	10	2.19	N/A	N/A	N/A	N/A		
2	LIGHTS HALL X 3	A	B	LIM	1.5	TRK	60898	C	10	10	2.19	N/A	N/A	N/A	N/A		
3	LIGHTS HALL X 3	A	B	LIM	1.5	TRK	60898	C	10	10	2.19	N/A	N/A	N/A	N/A		
4	LIGHTS KITCHEN	A	B	LIM	1.5	TRK	60898	C	10	10	2.19	N/A	N/A	N/A	N/A		
5	LIGHTS GAMES ROOM	A	B	LIM	1.5	TRK	60898	C	10	10	2.19	N/A	N/A	N/A	N/A		
6	LIGHTS WC	A	B	LIM	1.5	TRK	60898	C	10	10	2.19	N/A	N/A	N/A	N/A		
7	SPARE	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
8	LIGHTS HALL X 3	A	B	LIM	1.5	TRK	60898	C	10	10	2.19	N/A	N/A	N/A	N/A		
9	LIGHTS HALL X 3	A	B	LIM	1.5	TRK	60898	C	10	10	2.19	N/A	N/A	N/A	N/A		
10	LIGHTS HALL ENTRANCE	A	B	LIM	1.5	TRK	60898	C	10	10	2.19	N/A	N/A	N/A	N/A		
11	SOCKETS BELOW	H	C	LIM	2.5	MICC	60898	C	20	10	1.09	N/A	N/A	N/A	N/A		
12	SOCKET HALL	A	B	LIM	2.5	TRK	60898	C	16	10	1.37	N/A	N/A	N/A	N/A		
13	LIGHTS LOFT	A	B	LIM	1.5	TRK	60898	C	10	10	2.19	N/A	N/A	N/A	N/A		
14	LIGHTS OFFICE	A	B	LIM	1.5	TRK	60898	C	10	10	2.19	N/A	N/A	N/A	N/A		
15	SPARE	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
16	SPARE	--	--	--	--	--	--	--	--	--	--	--	--	--	--		

Codes for types of wiring:

A Thermoplastic insulated / sheathed cables	B Thermoplastic cables in metallic conduit	C Thermoplastic cables in non-metallic conduit	D Thermoplastic cables in metallic trunking	E Thermoplastic cables in non-metallic trunking	F Thermoplastic / SWA cables	G Thermosetting / SWA cables	H Mineral insulated cables	I Vulcanised Rubber insulated cables	J Fire Performance cables
---	--	--	---	---	--	--	--------------------------------------	--	-------------------------------------

Date: 30/11/2022

Page: 13 of 14

THERMOGRAPHY REPORT



Report Number:	19557
----------------	-------

Company carrying out inspection:	
Name:	INSPEXX LTD.
Address:	300 LEEDS ROAD, SHIPLEY, BD18 1EZ

Company ordering survey:	
Name:	DODD GROUP
Address:	UNIT 8, RUGBY PARK, BLETCHLEY ROAD, SK4 3EJ

Reason for survey:	Periodic thermal inspection of distribution boards to identify any anomalies
--------------------	--

Start Date:	30/11/2022	Finish Date:	30/11/2022
-------------	------------	--------------	------------

Details of the installation that is the subject of this survey:	
Occupier:	The Studley Centre
Address:	High Street, Studley, B80 7HJ
Details of premises:	COMMERCIAL

Scope of survey:

The report is a qualitative survey which compares contrasting infrared thermal patterns of one component or area to a similar component or area, this may indicate a requirement for further investigation but does not provide a level of severity.

The inspection was carried out to assess the thermal contrast of specified distribution equipment and any other safely accessible electrical equipment agreed with the client beforehand.

The survey was performed with all components operating under normal conditions and loads, and where deemed safe to do so, distribution covers were removed. In circumstances where the covers could not be removed under the discretion of the inspector then a full visual inspection of the enclosures are performed only.

The company cannot accept liability for any errors or omissions.

Summary of survey:

The survey did not identify any anomalies that might indicate a requirement for further investigation.

Overall assessment of the thermal survey:	NO ANOMALIES
--	---------------------

Measurements

Bx1	Max	31.9 °C
	Min	12.9 °C
	Average	14.7 °C

Parameters

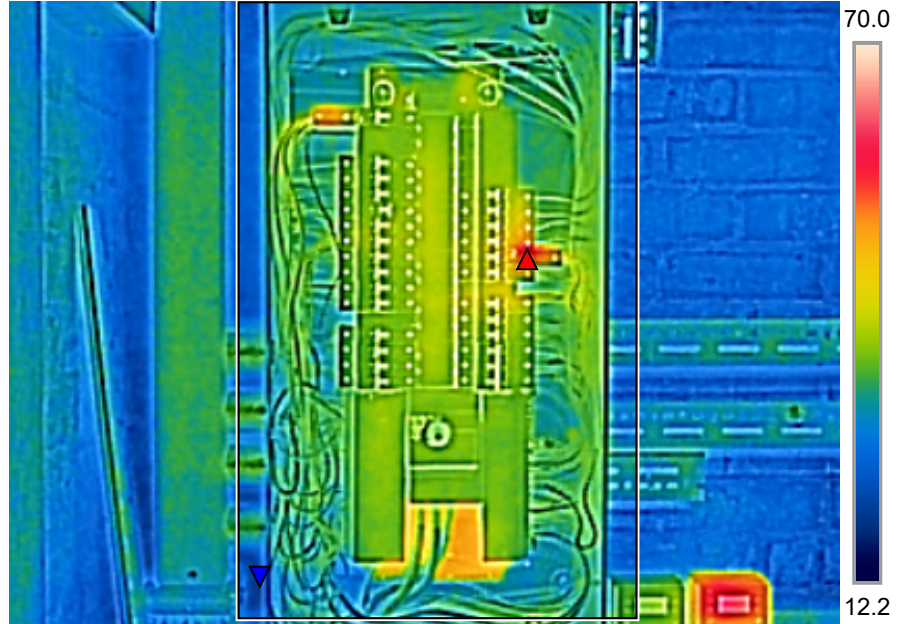
Emissivity	0.95
Refl. temp.	20 °C
Distance	1 m
Atmospheric temp.	20 °C
Ext. optics temp.	20 °C
Ext. optics trans.	1
Relative humidity	50 %

Note

DB1

SWITCH ROOM CUPBOARD

30/11/22 11:29:47 AM

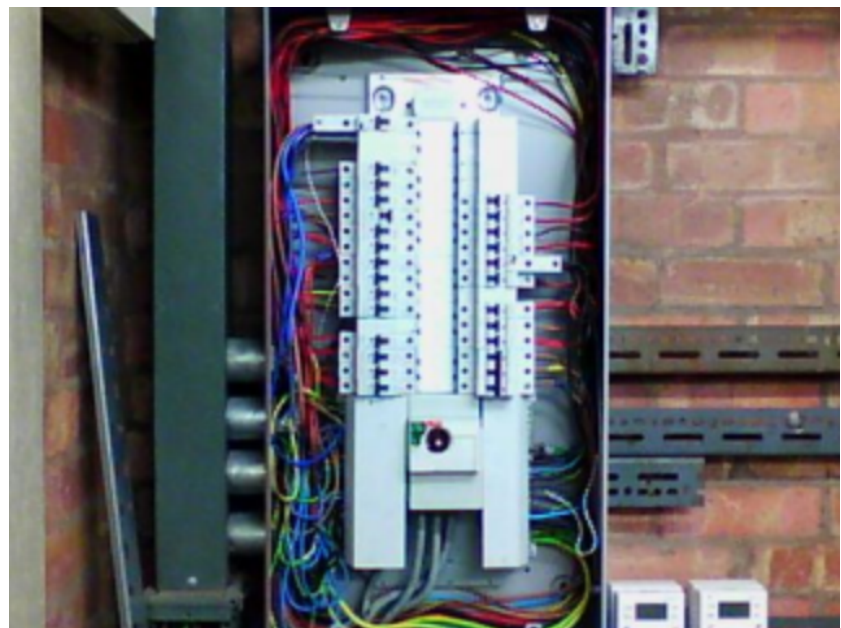


flir_DB01.jpg

FLIR E6

639031396

30/11/22 11:29:47 AM



flir_DB01.jpg

FLIR E6

639031396

Measurements

Bx1	Max	16.2 °C
	Min	14.6 °C
	Average	15.2 °C

Parameters

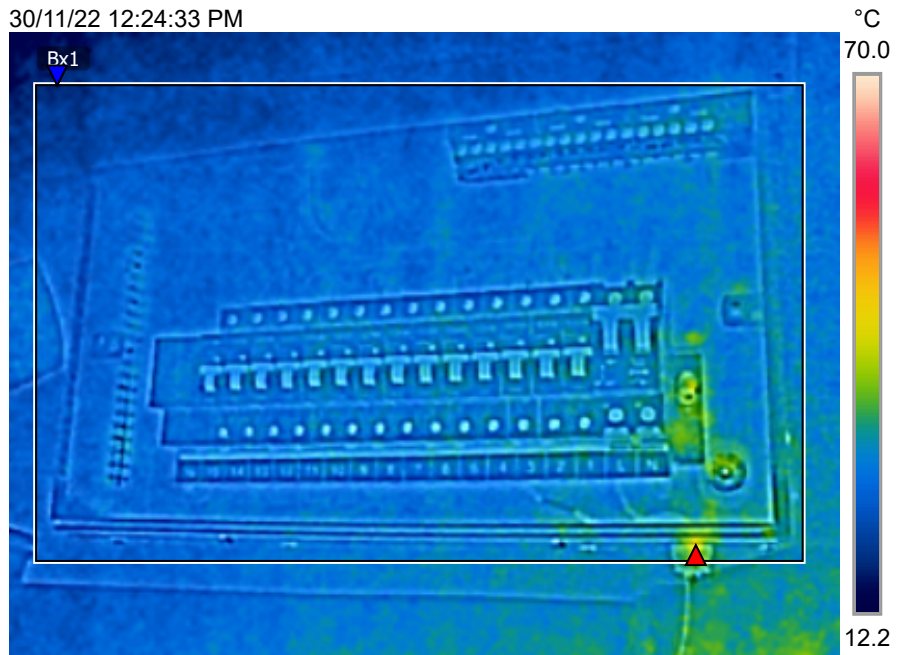
Emissivity	0.95
Refl. temp.	20 °C
Distance	1 m
Atmospheric temp.	20 °C
Ext. optics temp.	20 °C
Ext. optics trans.	1
Relative humidity	50 %

Note

DBL1

OFFICE CUPBOARD

30/11/22 12:24:33 PM



flir_DBL1.jpg

FLIR E6

639031396

30/11/22 12:24:33 PM



flir_DBL1.jpg

FLIR E6

639031396