

PERIODIC INSPECTION REPORT  
(BS 7671:2001 as amended)

DRAFT



DETAILS OF THE CLIENT

Client	Sony	Address	Pipers way Thatcham Berkshire RG13 4LZ
Purpose of this report	Inspection to assess damage and make safe.		

DETAILS OF THE INSTALLATION

Occupier	Sony	Description of premises	Domestic <input checked="" type="checkbox"/>	Commercial <input type="checkbox"/>	Industrial <input type="checkbox"/>
Address	Fuel Station Pipers Way  Thatcham Berkshire RG13 4LZ	Other	N/A		
Date of previous inspection	Not Known	Estimated age of the electrical installation	10	yrs	
Records of installation available	<input checked="" type="checkbox"/>	Evidence of alterations or additions	<input checked="" type="checkbox"/>	If yes estimated age	N/A yrs
Electrical Installation Certificate No or previous Periodic Inspection Report No	N/A				
Records held by	N/A				

EXTENT AND LIMITATIONS OF THE INSPECTION

Extent of electrical installation covered by this report

Fuel Supply Area

Agreed limitation of the inspection and testing

Only DB in fuel area to repair to make safe after damage

This inspection has been carried out in accordance with BS7671:2001(IEE Wiring Regulations), as amended. Cables concealed within trunking and conduits, or cables and conduits concealed under floors, in roof space and generally within the fabric of the building or underground have not been inspected.

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 observations overleaf and the attached schedules, provide an accurate assessment of the condition of the electrical installation taking into account the stated extent of the installation and the limitations of the inspection.

INSPECTION, TESTING AND ASSESSMENT BY:	REPORT REVIEWED AND CONFIRMED BY:
Signature	Signature
Name	Name
Position	Position
Date	Date

Hugh Rose  
Qualified Supervisor

Hugh Rose



**SCHEDULES AND ADDITIONAL PAGES**

Schedule of items inspected and schedules of items tested:

Page 4

Additional pages, including additional source(s) data sheets

Pages 9

Schedule of Circuit Details for the installation

5 - 7 (odd)

Schedule of Test Results for the installation

6 - 8 (even)

**NEXT INSPECTON**

I/We recommend that this installation is further inspected and tested after an interval of not more than

12 Months

Provided that any observations which have been attributed recommendation code 1 (requires urgent attention) are remedied without delay. Observations attributed recommendation code 2 or 3 should be acted on as soon as is practical.

**DETAILS OF THE INSPECTION AND TEST COMPANY**

Trading Title

Intersafe Limited

Address

George Curl Way  
Southampton  
Hampshire  
SO18 2RZ

Telephone number

023 80 236200

Fax number

023 80 302244

NIC Enrolment No.

031903

Branch No. (if applicable)

N/A

**SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS**

* System Type(s)	* Number and Type of Live Conductors				Nature of Supply Parameters				*Supply protective device characteristics
TN-S <input type="checkbox"/>	a.c. <input type="checkbox"/>	d.c. <input type="checkbox"/>			Nominal Voltage U	400 V	U <sub>o</sub>	230 V	BS(EN)
TN-C-S <input type="checkbox"/>	1-Phase (2 wire) <input type="checkbox"/>	1-Phase (3 wire) <input type="checkbox"/>	2 Pole <input type="checkbox"/>		Nominal frequency f	50 Hz			88 Fuse HRC
TN-C <input type="checkbox"/>	2-Phase (3 wire) <input type="checkbox"/>		3 Pole <input type="checkbox"/>		Prospective fault current I <sub>pf</sub>	LIM kA	Type	gG	
TT <input type="checkbox"/>	3-Phase (3 wire) <input type="checkbox"/>	3-Phase (4 wire) <input type="checkbox"/>	Other <input type="checkbox"/>		External loop impedance Z <sub>e</sub>	LIM Ω	Nominal current rating	32 A	
IT <input type="checkbox"/>	Other	N/A			Number of supplies	1	Short circuit capacity	80 kA	

**PARTICULARS OF INSTALLATION REFERRED TO IN THE CERTIFICATE**

* Means of Earthing		Details of Installation Earth Electrode (where applicable)			
Distributor's facility <input type="checkbox"/>		Type (eg rod(s), tape etc)	N/A	Location	N/A
Installation earth electrode <input type="checkbox"/>		Electrode resistance, R <sub>A</sub>	N/A Ω	Method of measurement	N/A

  

* Main Switch or Circuit-Breaker				Maximum Demand (load)	Method of protection against indirect contact
Type BS(EN)	5419 Isolator	Voltage rating	500 V	N/A A per phase	EEBAD
No of poles	3	Current rating	63 A		
Supply conductors material	Copper	RCD Operating current, I <sub>Δn</sub>	N/A mA		
Supply conductors csa	25 mm <sup>2</sup>	RCD Operating time at, I <sub>Δn</sub>	N/A ms		

  

Main Protective Conductors		Bonding of extraneous conductive parts	
Earthing Conductor material	Copper	Water	Gas
Earthing Conductor csa	25 mm <sup>2</sup>	Oil	Steel
Continuity check	<input type="checkbox"/>	Lightning	Other
		<input type="checkbox"/>	<input type="checkbox"/>

\* Where a number of sources are available to supply the installation, and where the data given for the primary source may differ from other sources, a separate sheet must be provided which identifies the relevant information relating to each additional source.

**SCHEDULE OF ITEMS INSPECTED (see section 712 of BS 7671: 2001)**

**Method of protection against electric shock:**

N/A (i) SELV

Ü (ii) Limitation of discharge of energy

**Protection against direct contact:**

Ü (i) Insulation of live parts

Ü (ii) Barriers or enclosures

N/A (iii) Obstacles

N/A (iv) Placing out of reach

N/A (v) PELV

Ü (vi) Presence of RCD for supplementary protection

**Protection against indirect contact:**

(i) EEBAD including:

Ü Presence of earthing conductors

Ü Presence of circuit protective conductors

Ü Presence of main equipotential bonding conductors

Ü Presence of supplementary equipotential bonding conductors

N/A Presence of earthing arrangements for combined protective and functional purposes

N/A Presence of adequate arrangements for alternate sources, where applicable

Ü Presence of residual current devices

N/A (ii) Use of Class II equipment or equivalent insulation

N/A (iii) Non-conducting location:  
Absence of protective conductors

N/A (iv) Earth-free local equipotential bonding:  
Presence of earth-free equipotential bonding conductors

N/A (v) Electrical separation

**Prevention of mutual detrimental influence**

Ü a. Proximity of non-electrical services and other influences

Ü b. Segregation of Band 1 and Band 2 circuits or Band1 insulation used

Ü c. Segregation of safety circuits

**Identification**

Ü Presence of diagrams, instructions, circuit charts and similar information

Ü Presence of danger notices and other warning notices

Ü Labelling of protective devices, switches and terminals

Ü Identification of conductors

**Cables and conductors**

Ü Routing of cables in prescribed zones or within mechanical protection

Ü Connection of conductors

Ü Erection methods

Ü Selection of conductors for current-carrying capacity and voltage drop

Ü Presence of fire barriers and protection against thermal effects

**General**

Ü Presence and correct location of appropriate devices for isolation and switching

Ü Adequacy of access to switchgear and other equipment

Ü Particular protective measures for special installations and locations

Ü Connection of single pole devices for protection or switching in phase conductors only

Ü Correct connection of accessories and equipment

N/A Presence of undervoltage protective devices

N/A Choice and setting of protective and monitoring devices (for protection against indirect contact and/or overcurrent)

Ü Selection of equipment and protective measures appropriate to external influences

Ü Selection of appropriate functional switching devices

**SCHEDULE OF ITEMS TESTED (see section 713 of BS 7671: 2001)**

Ü External earth fault loop impedance,  $Z_e$

N/A Installation earth electrode resistance,  $R_A$

Ü Continuity of protective conductors

N/A Continuity of ring final circuit conductors

LIM Insulation resistance between live conductors

LIM Insulation resistance between live conductors and earth

N/A Site applied insulation

N/A Protection by separation of circuits

N/A Protection against direct contact, by barrier or enclosure provided during erection

N/A Insulation of non-conducting floors and walls

Ü Polarity

Ü Earth fault loop impedance,  $Z_s$

Ü Operation of residual current devices

Ü Functional testing of assemblies

Ü to indicate an inspection has been carried out and the result was satisfactory  
 Ü to indicate an inspection has been carried out and the result was unsatisfactory

N/A to indicate the inspection is not applicable









**Summary of Inspection continued from page 2 section G.**

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within pump housing secured.