

# PERIODIC INSPECTION REPORT FOR AN ELECTRICAL INSTALLATION

BS 7671: 2001 (as amended) REQUIREMENTS FOR ELECTRICAL INSTALLATIONS

FLUKE

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REPORT

02

## CLIENT DETAILS

Client: J. MORRIS  
Address: AZLEN COURT  
Purpose for which this report is required:

## DETAILS OF THE INSTALLATION

Occupier:  
Installation address: AZLEN CLOSE, SWINDON

## DESCRIPTION OF PREMISES

Domestic  Commercial  Industrial  Other

Estimated age of the electrical installation: 20 years

Evidence of alterations or additions: Yes  No  Not apparent

If "Yes", estimate age and give details: 10/15 YEARS

Date of last inspection: NONE Records available: Yes  No

## EXTENT AND LIMITATIONS OF THE INSPECTION AND TESTING

Extent of electrical installation covered by this report: SOCKETS IN STREET BOXES ONLY

Limitations agreed with client: AS ABOVE

This inspection has been carried out in accordance with BS 7671: 2001 (IEE Wiring Regulations), amended to 2008. Cables concealed within trunking and conduits, or cables and conduits concealed under floors, in roof spaces and generally within the fabric of the building or underground have not been inspected.

NEXT INSPECTION: I/~~WE~~\* recommend that this installation is further inspected after an interval of not more than ..... months/years\* provided that any observations requiring urgent attention are attended to without delay.

## DECLARATION

Inspected and tested by  
Name: M BEVAN Signature: [Signature]  
For and on behalf of: M BEVAN ELECTRICAL CONTRACTORS Position: OWNER  
Address: 28 RAILWAY CARNE Date: 6/6/09  
WILTS

## NOTES FOR RECIPIENT

This Periodic Inspection Report is intended to document the condition of an existing installation.  
The recipient should receive the original report and a duplicate should be retained by the contractor. In the event that you are the person ordering or acting on behalf of the owner, this report or a copy of it should be passed to the owner immediately. The original report should be kept in a safe place and should be shown to any person carrying out work on or inspecting this installation in the future.  
The extent and limitations part of this report should fully identify the extent of the installation covered by this report and should clearly show any limitations on the inspection and tests. The contractor should have agreed these aspects with the client and any other interested parties (licensing authority, insurance company, building society, etc.) before the inspection was carried out.  
This report will contain a list of any recommended actions necessary to bring the installation up to current standards.  
For items on page 2 stating 'requiring urgent attention', the safety of those using the installation may be at risk and it is recommended that the necessary remedial work is carried out by a competent person without delay.  
For safety reasons this electrical installation needs to be re-inspected by a competent person at appropriate intervals. The maximum time interval recommended before the next inspection is stated in the report under Next Inspection.  
If at a later date the property is vacated this report will provide any new owner with details of the condition of the electrical installation at the time that this report was issued.

# PERIODIC INSPECTION REPORT FOR AN ELECTRICAL INSTALLATION

**FLUKE.**

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✓ tick box where applicable

REPORT

## SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Number of Live Conductors: <b>2</b> / 3 / 4*	Type of live conductors: <b>a.c.</b> / d.c.*	
Nature of Supply	Nominal voltage: <b>230</b> V	Nominal frequency (f): <b>50</b> Hz
	Fault current (earth fault/short-circuit)*: <b>1.74</b> kA	External loop impedance (Z <sub>e</sub> ): <b>0.12</b> Ω
Supply Protective Device Characteristics:	BS (EN): <b>1361</b>	Nominal current rating (I <sub>n</sub> ): <b>100</b> A
Earthing Arrangements:	TN-S <input type="checkbox"/>	TN-C-S <input checked="" type="checkbox"/> TT <input type="checkbox"/> TN-C <input type="checkbox"/> IT <input type="checkbox"/>

## PARTICULARS OF INSTALLATION REFERRED TO IN THIS REPORT

✓ tick box where applicable

Means of Earthing: Supplier's facility  Installation earth electrode  Maximum demand (load): ..... Amps per phase

### Details of Installation Earth Electrode

Location: **NA** Type: (rods, etc.) **NA**

Electrode Resistance to Earth (R<sub>a</sub>): **NA** Ω Method of Measurement: **NA**

### Main Protective Conductors

✓ tick box where applicable

Earthing Conductor: Material: **COPPER** c.s.a: **25** mm<sup>2</sup> Connection(s) verified:

Main Equipotential Bonding Conductors: Material: **COPPER** c.s.a: **16** mm<sup>2</sup> Connection(s) verified:

To: Water Service  Gas Installation Pipe  Other  state (e.g. structure): **NONE**

### Main Switch or Circuit-breaker

BS (EN) **5419** No. of poles: **2** Current rating: **100** A Voltage rating: **400** V

Rated residual operating current I<sub>Δn</sub>: **NA** mA Operating time at I<sub>Δn</sub>: **NA** ms

## OBSERVATIONS AND RECOMMENDATIONS

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 work is required

The following observations are made

**WIRING WITH DISTRIBUTION BOX NEEDS TIDYING AND REDUNDANT REMOVAL (CODE 2)**

One of the following numbers, as appropriate, is to be allocated to each of the observations made above to indicate to the person(s) responsible for the installation the action recommended.

- 1] Requires urgent attention
- 2] Requires improvement
- 3] Requires further investigation
- 4] Does not comply with BS 7671: 2001 amended to ..... This does not imply that the electrical installation inspected is unsafe

## SUMMARY OF THE INSPECTION

Date(s) of the inspection: **6/6/09**

General condition of the installation: .....

Overall assessment: Satisfactory  Unsatisfactory

## SCHEDULES

THE ATTACHED SCHEDULES ARE PART OF THIS DOCUMENT AND THIS REPORT IS VALID ONLY WHEN THEY ARE ATTACHED TO IT.

No. of Schedules of Inspections attached: **1** No. of Schedules of Test Results attached: **1**

## Method of Protection against electric shock

### (a) Protection against both direct and indirect contact

- (i) SELV
- (ii) Limitation of discharge of energy

### (b) Protection against direct contact

- (i) Insulation of live parts
- (ii) Barriers or enclosures
- (iii) Obstacles
- (iv) Placing out of reach
- (v) PELV
- (vi) Presence of RCD for supplementary protection

### (c) Protection against indirect contact

- (i) EEBAD including:
  - Presence of earthing conductor
  - Presence of circuit protective conductor(s)
  - Presence of main equipotential bonding conductor(s)
  - Presence of supplementary equipotential bonding conductors
  - Presence of earthing arrangements for combined protective and functional purposes
  - Presence of adequate arrangements for alternative source(s), where applicable
  - Presence of residual current device(s)
- (ii) Use of Class II equipment or equivalent insulation
- (iii) Non-conducting location: Absence of protective conductors
- (iv) Earth-free equipotential bonding: Presence of earth-free equipotential bonding conductors
- (v) Electrical separation

To indicate an inspection has been carried out and the result is satisfactory.

## Prevention of mutual detrimental influence

- (a) Proximity of non-electrical services and other influences
- (b) Segregation of Band I and band II circuits or Band II insulation used
- (c) Segregation of safety circuits

## Identification

- (a) Presence of diagrams, instructions, circuit charts and similar information
- (b) Presence of danger notices and other warning notices
- (c) Labelling of protective devices, switches and terminals
- (d) Identification of conductors

## Cables and conductors

- (a) Routing of cables in prescribed zones or within mechanical protection
- (b) Connection of conductors
- (c) Erection methods
- (d) Selection of conductors for current-carrying capacity and voltage drop
- (e) Presence of fire barriers, suitable seals and protection against thermal effects

## General

- (a) Presence and correct location of appropriate devices for isolation and switching
- (b) Adequacy of access to switchgear and other equipment
- (c) Particular protective measures for special installations and locations
- (d) Connection of single-pole devices for protection or switching in phase conductors only
- (e) Correct connection of accessories and equipment
- (f) Presence of undervoltage protective devices
- (g) Choice and setting of protective and monitoring devices for protection against indirect contact and/or overcurrent
- (h) Selection of equipment and protective measures appropriate to external influences
- (i) Selection of appropriate functional switching devices

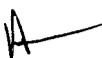
N/A To indicate an inspection is not applicable.

In addition to the above, the following notations may also be used when reporting on existing installations:

X To indicate an inspection has been carried out and the result is unsatisfactory.

Lim Indicates that, exceptionally, a limitation agreed with the ordering the work prevented the inspection being carried out.

Inspected by (Print and Sign):

M. BEVAN 

Date:

6/6/09

