ELECTRICAL INSTALLATION CONDITION REPORT

EC647505 - Master

Cannings
Building services engineers

A. Details of the Client/Person Ordering the Report

Client: Wessex RFCA

Address:
Wessex RFCA
Mount Street
Taunton
Somerset
TA1 3QE

B. Reason for Producing this Report

Purpose of this report:
5 Yearly periodic electrical test and inspection report for an installation for insurance purposes.

Date(s) on which Inspection: and testing was carried out: 13/09/2017

C. Details of the Installation which is the Subject of this Report

Installation: Wyvern Barracks Building 6

Occupier: Wyvern Barracks Building 6 (Guards Room)

Address:
6th Battalion the Rifles HQ
Barrack Road
Exeter
Devon EX2 6AE

Description of premises:	Domestic	Commercial	Industrial
	N/A	N/A	N/A

Other: Guards room

Estimated age of wiring system: 15 yrs

Evidence of alterations or additions: ✓ If yes estimated Age 5 yrs

Record of Installation available: ✓ Records held By: I J Cannings Date of previous inspection: 27/06/2012

D. Extent and Limitations Inspection and Testing

Extent of Electrical Installation covered by this report:
The complete installation in accordance to IEE wiring
--See Additional Page--

Agreed limitations including the reasons (See regulation 634.2)
R1 + R2 tests are calculated.

Agreed with name: Andy Palmer

Operational Limitations including the reasons (See page No N/A)
None

This inspection and testing detailed in this report and accompanying schedules have been carried out in accordance with BS7671:2008 (IET Wiring Regulations) as amended to July 2015
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 general condition of the electrical installation is okay, however there are some improvements recommended to bring installation
--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 , I 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 I recommend that the installation is further inspected and tested by 13/09/2022

G. Declaration

I , being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by My 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:
I J Cannings & Son Ltd,
Stratford House,
Waterbridge Court,
Exeter,
Devon, EX2 8EX

NICEIC Enrolment Number: 9140

Branch No. (If Applicable): 0

Inspected and tested by:

Name: Lewis Conabeer Position: Approved Electrician Signature: Date: 13/09/2017

Report authorised for issue by:

Name: David Tucker Position: Contracts Manager Signature: Date: 13/09/2017

H. Schedule(s)

The attached schedule(s) are part of this document and this report is valid only when they are attached to it.

2 Schedule(s) of inspection and 2 Schedule(s) of test results are attached

I. Supply Characteristics and Earthing Arrangements

Earthing Arrangements

TN-S	N/A
TN-C-S	✓
TN-C	N/A
TT	N/A
IT	N/A

Number and Type of Live Conductors

a.c.	✓		
1-Phase (2 wire)	N/A	1-Phase (3 wire)	✓
2-Phase (3 wire)	N/A		
3-Phase (3 wire)	N/A	3-Phase (4 wire)	N/A
Other	N/A		

d.c.	N/A
2 Wire	N/A
3 Wire	N/A
Other	N/A

Confirmation of supply polarity ✓

Nature of Supply Parameters

Nominal Voltage	$U^{(1)}$	N/A	V
Nominal Voltage	$U_0^{(1)}$	230	V
Nominal frequency	$f^{(1)}$	50	Hz
Prospective fault current	$Ipf^{(2)}$	2.65	kA
External loop impedance	$Ze^{(2)}$	0.17	Ω
Number of supplies		1	

(Note: (1) by enquiry, (2) by enquiry or by measurement)

Supply protective device

BS(EN): 60947-2 MCCB

Type: N/A

Nominal current rating: 100 A

Short circuit capacity: 80 kA

J. Particulars of Installation Referred to in the Report

Means of earthing

Distributor's facility	✓
Installation earth electrode	N/A

Details of installation Earth Electrode (where applicable)

Type (e.g. rod(s), tape etc.): N/A

Resistance to Earth: N/A Ω

Location: N/A

Method of measurement: N/A

Main Protective Conductors

Tick boxes and enter details as applicable

Earthing Conductor	Material	Copper	csa	25	mm^2	Connection and Continuity Verified ✓
Main protective bonding conductors	Material	Copper	csa	10	mm^2	Connection and Continuity Verified ✓

Bonding of Incoming Service

Water installation pipes	✓	Gas installation pipes	✓	Structural Steel	N/A	Lightning protection	N/A
Oil installation pipes	N/A						

Other incoming service(s): N/A — Please State: N/A

Maximum Demand (Load): 100 **Amps**

Protective measure(s) against electric shock: ADS

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

Location: Guard Room

Type BS(EN): 60947-3 No of poles: 2

Supply Conductors material: Copper

Supply Conductors csa: 25 mm^2

Current rating	100	A
Fuse/Device rating or setting	100	A
Voltage rating	230	V

if RCD main switch

Rated residual operation current, IΔn	N/A	mA
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	DB needs up grading, cables in walls no RCD Protection. Recommend DB is replaced	C3
2	4 CONSUMER UNIT (S) / DISTRIBUTION BOARD(S) 4.19 RCD(s) provided for additional protection - includes	C3
	RCBOs (411.3.3; 415.1)	

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	0
C2 - Potentially dangerous - urgent remedial action required	0
C3 - Improvement recommended	2
FI - Further investigation required without delay	0

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

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	**DISTRIBUTOR'S / SUPPLY INTAKE EQUIPMENT**		
1.1	Condition of service cable	✓	No
1.2	Condition of Service head	✓	No
1.3	Condition of distributor's earthing arrangement	✓	No
1.4	Condition of meter tails - Distributor/Consumer	✓	No
1.5	Condition of metering equipment	✓	No
1.6	Condition of Isolator (where present)	✓	No
2.0	**PRESENCE OF ADEQUATE ARRANGEMENTS FOR PARALLEL OR SWITCHED ALTERNATIVE SOURCES**	N/A	No
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)	✓	No
3.2	Presence and condition of earth electrode connection where applicable (542.1.2.3)	N/A	No
3.3	Provision of earthing/bonding labels at all appropriate locations (514.13.1)	✓	No
3.4	Confirmation of earthing conductor size (542.3; 543.1.1)	✓	No
3.5	Accessibility and condition of earthing conductor at MET (543.3.2)	✓	No
3.6	Confirmation of main protective bonding conductor sizes (544.1)	✓	No
3.7	Condition and accessibility of main protective bonding conductor connections (543.3.2; 544.1.2)	✓	No
3.8	Accessibility and condition of other protective bonding connections (543.3.2)	✓	No
4.0	**CONSUMER UNIT (S) / DISTRIBUTION BOARD(S)**		
4.1	Adequacy of working space / accessibility to consumer unit / distribution board (132.12; 513.1)	✓	No
4.2	Security of fixing (134.1.1)	✓	No
4.3	Condition of enclosure(s) in terms of IP rating etc (416.2)	✓	No
4.4	Condition of enclosure(s) in terms of fire rating etc (421.1.201; 526.5)	✓	No
4.5	Enclosure not damaged/deteriorated so as to impair safety (Regulation 621.2 (iii))	✓	No
4.6	Presence of linked main switch (as required by 537.1.4)	N/A	No
4.7	Operation of main switch (functional check) (612.13.2)	✓	No
4.8	Manual operation of circuit-breakers and RCDs to prove disconnection (612.13.2)	✓	No
4.9	Correct identification of circuit details and protective devices (514.8.1;514.9.1)	✓	No
4.10	Presence of RCD quarterly test notice at or near consumer unit / distribution board (514.12.2)	✓	No
4.11	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit / distribution board (514.14)	✓	No
4.12	Presence of alternative supply warning notice at or near consumer unit / distribution board (514.15)	N/A	No
4.13	Presence of other required labelling (please specify)(Section 514)	N/A	No
4.14	Examination of protective device(s) and base(s); correct type and rating (no signs of unacceptable thermal damage, arcing or overheating)(421.1.3)	✓	No
4.15	Single-pole switching or protective devices in line conductor only (132.14.1; 530.3.2)	✓	No
4.16	Protection against mechanical damage where cables enter consumer unit / distribution board (522.8.1; 522.8.11)	✓	No
4.17	Protection against electromagnetic effects where cables enter consumer unit / distribution board / enclosures (521.5.1))	✓	No
4.18	RCD(s) provided for fault protection – includes RCBOs(411.4.9; 411.5.2; 531.2)	✓	No
4.19	RCD(s) provided for additional protection - includes RCBOs (411.3.3; 415.1)	C3 (see section K)	No
4.20	Confirmation of indication that SPD is functional (534.2.8)	✓	No
4.21	Confirmation that ALL conductor connections, including connections to busbars are correctly located in terminals and are tight and secure (526.1)	✓	No
4.22	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6)	N/A	No
4.23	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)	N/A	No
5.0	**FINAL CIRCUITS**		
5.1	Identification of conductors (514.3.1)	✓	No
5.2	Cables correctly supported throughout their run (522.8.5)	✓	No
5.3	Condition of insulation of live parts (416.1)	✓	No

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

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
5.0	**FINAL CIRCUITS (Continued)**		
5.4.0	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (521.10.1)	✓	No
5.4.1	To include the integrity of conduit and trunking systems (metallic and plastic)	✓	No
5.5	Adequacy of cables for current-carrying capacity with regard for the type and nature of installation (Section 523)	✓	No
5.6	Coordination between conductors and overload protective devices (433.1; 533.2.1)	✓	No
5.7	Adequacy of protective devices; type and rated current for fault protection (411.3)	✓	No
5.8	Presence and adequacy of circuit protective conductors (411.3.1.1; 543.1)	✓	No
5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences (Section 522)	✓	No
5.10	Concealed cables installed in prescribed zones (see section D. Extent and limitations) (522.6.202)	✓	No
5.11	Cables concealed under floors, above ceilings or in walls / partitions, adequately protected against damage (see Section D. Extent and limitations) (522.6.204)	✓	No
5.12.0	Provision of additional protection by RCD not exceeding 30mA		
5.12.1	For all socket-outlets of rating 20 A or less, unless an exception is permitted (411.3.3)	✓	No
5.12.2	For supply to mobile equipment not exceeding 32 A rating for use outdoors (411.3.3)	✓	No
5.12.3	For cables concealed in walls at a depth of less than 50mm (522.6.202; 522.6.203)	✓	No
5.12.4	For cables concealed in walls / partitions containing metal parts regardless of depth (522.6.203)	✓	No
5.13	Provision of fire barriers, sealing arrangements and protection against thermal effects (Section 527)	✓	No
5.14	Band II Cables segregated / separated from Band I cables (528.1)	✓	No
5.15	Cables segregated / separated from communications cabling (528.2)	✓	No
5.16	Cables segregated / separated from non-electrical services (528.3)	✓	No
5.17.0	Termination of cables at enclosures – indicate extent of sampling in Section D of the report (Section 526)		
5.17.1	Connections soundly made and under no undue strain (526.6)	✓	No
5.17.2	No basic insulation of a conductor visible outside enclosure (526.8)	✓	No
5.17.3	Connections of live conductors adequately enclosed (526.5)	✓	No
5.17.4	Adequately connected at point of entry to enclosure (glands, bushes etc...) (522.8.5)	✓	No
5.18	Condition of accessories including socket-outlets, switches and joint boxes (621.2 (iii))	✓	No
5.19	Suitability of accessories for external influences (512.2)	✓	No
5.20	Adequacy of working space / accessibility to equipment (132.12; 513.1)	✓	No
5.21	Single-pole switching or protective devices in line conductors only (132.14.1; 530.3.2)	✓	No
6.0	**LOCATION(S) CONTAINING A BATH OR SHOWER**		
6.1	Additional protection for all low voltage (LV) circuits by RCD not exceeding 30mA (701.411.3.3)	N/A	No
6.2	Where used as a protective measure, requirements for SELV or PELV met (701.414.4.5)	N/A	No
6.3	Shaver sockets comply with BS EN 61558-2-5 formally BS 3535 (701.512.3)	N/A	No
6.4	Presence of supplementary bonding conductors, unless not required by BS 7671: 2008 (701.415.2)	N/A	No
6.5	Low Voltage (e.g.230 volts) socket outlets at least 3m from Zone 1 (701.512.3)	N/A	No
6.6	Suitability of equipment for external influences for installed location in terms of IP rating (701.512.2)	N/A	No
6.7	Suitability of accessories and control gear etc. for a particular zone (701.512.3)	N/A	No
6.8	Suitability of current-using equipment for particular position within the location (701.55)	N/A	No
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).	Number of locations: 0	No

Inspected By

Name: Lewis Conabeer

Date: 13/09/2017

Signature:

Board Details

TO BE COMPLETED IN EVERY CASE

Location of Distribution Board: Building 7 Mains Intake Room

Distribution board designation: DB A

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Supply to distribution board is from: N/A

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

Associated RCD (if any)

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	Refe-rence method	No of points served	Circuit conductors csa		Max per-mitted disc-onnec-tion times	Overcurrent protective device				RCD	Max per-mitted Zs Ω
					Live mm^2	cpc mm^2		BS(EN)	Type No	Rating A	Short circuit capa-city kA	Op. current $I\Delta_n$	
1/TP	Circuit Not Tested												
2/TP	Circuit Not Tested												
3/TP	Circuit Not Tested												
4/TP	Circuit Not Tested												
5/L1	Sub Mains(DB 1)	F	D	1	25	25	5	60947-2 MCCB		100	30	N/A	LIM
5/L2	Circuit Not Tested												
5/L3	Circuit Not Tested												
6/TP	Circuit Not Tested												
7/TP	Circuit Not Tested												
8/TP	Circuit Not Tested												
9/TP	Circuit Not Tested												
10/TP	Circuit Not Tested												
11/TP	Circuit Not Tested												
12/TP	Circuit Not Tested												
13/TP	Circuit Not Tested												
14/TP	Circuit Not Tested												
15/TP	Circuit Not Tested												
16/TP	Circuit Not Tested												

Wiring Code

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

Board Tests

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Zs	N/A Ω	Operating times of associated RCD (if any)	At $I_{\Delta n}$	N/A ms	
Ipf	N/A kA		At $5I_{\Delta n}$	N/A ms	
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		✓	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	225742	RCD	225742
Insulation resistance	225742	Other	N/A
Continuity	225742	Other	N/A

Details of circuits and/or equipment vulnerable to damage

N/A

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polarity	Maximum measured earth fault loop impedance Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			At $I_{\Delta n}$ ms	At $5I_{\Delta n}$ ms	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)										
1/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L1	N/A	N/A	N/A	0.05	N/A	N/A	200	200	200	✓	0.22	N/A	N/A	N/A	NO
5/L2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5/L3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16/TP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Approved Electrician
Name	Lewis Conabeer	Date of testing	13/09/2017

Board Details

TO BE COMPLETED IN EVERY CASE

Location of Distribution Board: Guards Room

Distribution board designation: DB 1

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Supply to distribution board is from: SubMains(DB A, 5/L1)

No of phases: 1 | Nominal Voltage: 230 V

Overcurrent protective device for the distribution circuit

Type BS(EN): 60947-2 MCCB | Rating: 100 A

Associated RCD (if any)

BS(EN): 61008 RCD

RCD No of Poles: 2

RCD Rating: 30 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	Overcurrent protective device				RCD	Max permitted Zs Ω
					Live mm^2	cpc mm^2		BS(EN)	Type No	Rating A	Short circuit capacity kA	Op. current $I\Delta_n$	
1/L1	Lighting	A	B	8	1	1	0.4	60898 MCB	B	6	10	N/A	7.28
2/L1	Smoke Detectors	A	B	4	1	1	0.4	60898 MCB	B	6	10	N/A	7.28
3/L1	Bomb Alert	A	B	1	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
4/L1	Armoury Alarm	A	B	1	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
5/L1	Barriers	A	B	1	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
6/L1	Barriers	A	B	1	2.5	1.5	0.4	60898 MCB	B	16	10	N/A	2.73
7/L1	Surge Arrestor	A	B	1	10	6	0.4	60898 MCB	C	63	10	N/A	0.35
8/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-
9/L1	RCD Module (Split Board)	-	-	-	-	-	-	-	-	-	-	-	-
10/L1	Outside Lights	A	B	2	1	1	0.4	60898 MCB	B	6	10	30	7.28
11/L1	Outside Lights Near	A	B	3	1	1	0.4	60898 MCB	B	6	10	30	7.28
12/L1	Far Lamp Post	A	B	2	2.5	1.5	0.4	60898 MCB	B	6	10	30	7.28
13/L1	Ring Main Dado	A	B	4	2.5	1.5	0.4	60898 MCB	B	32	10	30	1.37
14/L1	IT Hub	A	B	1	2.5	1.5	0.4	60898 MCB	B	16	10	30	2.73
15/L1	Ring Main	A	B	6	2.5	1.5	0.4	60898 MCB	B	32	10	30	1.37
16/L1	Ring Main Kitchen	A	B	8	2.5	1.5	0.4	60898 MCB	B	32	10	30	1.37
17/L1	SPARE	-	-	-	-	-	-	-	-	-	-	-	-

Wiring Code

A	B	C	D	E	F	G	H	O
PVC/PVC cables	PVC cables in metallic conduit	PVC cables in non-metallic conduit	PVC cables in metallic trunking	PVC cables in non-metallic trunking	PVC/SWA cables	XLPE/SWA cables	Mineral insulated cables	Other

Board Tests

ONLY TO BE COMPLETED IF THE DISTRIBUTION BOARD IS NOT CONNECTED DIRECTLY TO THE ORIGIN OF THE INSTALLATION

Zs	0.22 Ω	Operating times of associated RCD (if any)	At $I_{\Delta n}$	N/A ms	
Ipf	1.12 kA		At $5I_{\Delta n}$	N/A ms	
Correct supply polarity confirmed	✓	Phase sequence confirmed (where appropriate)		✓	

TEST INSTRUMENTS (SERIAL NUMBERS) USED

Earth fault loop impedance	225742	RCD	225742
Insulation resistance	225742	Other	N/A
Continuity	225742	Other	N/A

Details of circuits and/or equipment vulnerable to damage

Bomb Alert, Armoury alarm, electronic ballast, neon indicators, RCDs.

Circuit Tests

Circuit number and phase	Circuit Impedances Ω					Insulation resistance				polarity	Maximum measured earth fault loop impedance Ω	RCD operating times			Remarks see continuation sheet
	Ring final circuits only (measure end to end)			All circuits (At least one column to be completed)		Live/ Live MΩ	Live/ Neutral MΩ	Live/ Earth MΩ	Earth/ Neutral MΩ			At $I_{\Delta n}$ ms	At $5I_{\Delta n}$ ms	Test button operation	
	r_1 (Line)	r_n (Neutral)	r_2 (cpc)	$(R_1 + R_2)$	(R_2)										
1/L1	N/A	N/A	N/A	1.01	N/A	N/A	200	200	200	✓	1.23	N/A	N/A	N/A	NO
2/L1	N/A	N/A	N/A	0.29	N/A	N/A	200	200	200	✓	0.51	N/A	N/A	N/A	NO
3/L1	N/A	N/A	N/A	0.14	N/A	N/A	200	200	200	✓	0.36	N/A	N/A	N/A	NO
4/L1	N/A	N/A	N/A	0.16	N/A	N/A	200	200	200	✓	0.38	N/A	N/A	N/A	NO
5/L1	N/A	N/A	N/A	0.03	N/A	N/A	200	200	200	✓	0.25	N/A	N/A	N/A	NO
6/L1	N/A	N/A	N/A	0.06	N/A	N/A	200	200	200	✓	0.28	N/A	N/A	N/A	NO
7/L1	N/A	N/A	N/A	0.04	N/A	N/A	200	200	200	✓	0.26	N/A	N/A	N/A	NO
8/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/L1	N/A	N/A	N/A	0.18	N/A	N/A	200	200	200	✓	0.40	40	18	✓	NO
11/L1	N/A	N/A	N/A	0.25	N/A	N/A	200	200	200	✓	0.47	40	18	✓	NO
12/L1	N/A	N/A	N/A	0.48	N/A	N/A	200	200	200	✓	0.70	40	18	✓	NO
13/L1	0.27	0.26	0.39	0.16	N/A	N/A	200	200	200	✓	0.38	40	18	✓	NO
14/L1	N/A	N/A	N/A	0.14	N/A	N/A	200	200	200	✓	0.36	40	18	✓	NO
15/L1	0.19	0.19	0.29	0.33	N/A	N/A	200	200	200	✓	0.55	40	18	✓	NO
16/L1	0.33	0.31	0.45	0.37	N/A	N/A	200	200	200	✓	0.59	40	18	✓	NO
17/L1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Tested By

Signature		Position	Approved Electrician
Name	Lewis Conabeer	Date of testing	13/09/2017

Extent of Electrical Installation covered by this report, Continued. from page 1

regulations BS7671, guidance note 3.

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

up to current regulations and standards.

CONDITION REPORT
GUIDANCE NOTES FOR RECIPIENTS

This report is an important and valuable document which should be retained for future reference.

1. The purpose of this Condition Report is to confirm, so 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. The person ordering the Report should have received the “original” Report and the inspector should have retained a duplicate.

3. 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.

4. Where the installation incorporates residual current devices (RCD) there should be a notice at or near the device stating that it should be tested quarterly. **For safety reasons it is important that this instruction is followed.**

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, mortgage provider and the like) before the inspection was carried out.

6. Some operational limitations such as such as inability to gain access to parts of the installation or an item of equipment may have been encountered during the inspection. The inspector should have noted these in 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 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 competent person 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 could not, due to the extent or limitations of this 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 the next inspection is due is stated in Section F of the Report under ‘Recommendations’ and on a label at or near to the consumer unit / distribution board.