

DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT

Small installations up to 100 A single phase supply

Issued in accordance with BS 7671: 2018 - Requirements for Electrical Installations

PART 1 : DETAILS OF THE CONTRACTOR, CLIENT AND INSTALLATION

DETAILS OF THE CONTRACTOR

Registration No: 029017000 Branch No: 000
 Trading Title: M.A. ELECTRICAL SERVICES
 Address: 115 COWLEY HILL, WOODHEDY, WIMBORNE, DORSET, BH20 2QD
 Postcode: BH20 2QD Tel No: 01791 7886457

DETAILS OF THE CLIENT

Contractor Reference Number (CRN): NONE
 Name: SUE ESTATES
 Address:
 Postcode:
 Tel No:

DETAILS OF THE INSTALLATION

Occupier:
 Address: 42 MANCHESTER AVE, HOUNDTON, WIMBORNE, DORSET, BH20 2QD
 Postcode: BH20 2QD Tel No:

PART 2 : PURPOSE OF THE REPORT

Purpose for which this report is required:

MULTI OCCUPANCY RENTING PURPOSES

Date(s) when inspection and testing was carried out: (12/8/20)

Records available: (YES)

Previous inspection report available: (N/A)

Previous report date: (N/A)

PART 3 : SUMMARY OF THE CONDITION OF THE INSTALLATION

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

WIRING AND ACCESSORIES in fair condition. checked EXISTING SWIRL/HEAD ALARM.
 15METER GENEY LIGHTING JUNCTIONS O.K.

Estimated age of electrical installation: (18) years

Evidence of additions or alterations: (NO)

Overall assessment of the installation is: **Satisfactory/Unsatisfactory*** (delete as appropriate)

PART 4 : DECLARATION

INSPECTION AND TESTING

I, being the person responsible for the inspection and testing of the electrical installation, particulars of which are described in PART 7, having exercised reasonable skill and care when carrying out the inspection and testing of the existing installation, hereby CERTIFY that the information in this report, including the observations (page 2) and the attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent of the installation and the limitations on the inspection and testing.

Name (capital): M. AKBAR

Signature: M. AKBAR

Date: 12/8/20

REVIEWED BY QUALIFIED SUPERVISOR

Name (capital): M. AKBAR

Signature: M. AKBAR

Date: 12/8/20

*An unsatisfactory assessment indicates that dangerous (CODE C1) and/or potentially dangerous (CODE C2) conditions have been identified in PART 6, or that Further Investigation (CODE F1) without delay is required.

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PART 5: NEXT INSPECTION

19We (as indicated on page 1) recommend that subject to the necessary remedial work being taken, this installation should be further inspected and tested after an interval of not more than years/months* (delete as appropriate)

Give reason for recommendation: AK PLE IET AND TABLE 3

PART 6: OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

[illegible]

The proposed date for the next inspection should take into consideration any legislative or licensing requirements and the frequency and quality of maintenance that the installation can reasonably be expected to receive during its intended life. The period should be agreed between relevant parties.

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PART 7 : DETAILS AND LIMITATIONS ON THE INSPECTION AND TESTING

The inspection and testing has been carried out in accordance with BS 7671: 2018, as amended. Cables concealed within trunking and conduits, or cables and conduits concealed under floors, in inaccessible roof spaces and generally within the fabric of the building or underground, have not been visually inspected unless specifically agreed between the Client and the Inspector prior to inspection.

Details of the installation covered by this report:

GROUND FLOOR AND 1ST FLOOR LIVING AND POWER CIRCUITS MAIN PROTECTIVE
EARTHING, MAIN PROTECTIVE BONDING AND TESTS TO ALL EXISTING CIRCUITS IN THE ABOVE AREAS (see additional page No.)

Agreed limitations including the reasons, if any, on the inspection and testing: NO. 121 INSPECTION AND TESTS CARRIED OUT AS PER ABOVE

Agreed with (print name):

Extent of sampling (inspection only): 15% of Accessories Retrieved for inspection (see additional page No.)

Operational limitations including the reasons: NONE (see additional page No.)

PART 8 : SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System type and earthing arrangements

TN-C-S: () TN-S: () TT: ()

Other (state):

Supply protective device

(BS EN) 1361

Type: ()

Rated current: (16.5) A

Number and type of live conductors

AC 1-phase, 2-wire: ()

Other (state):

Confirmation of supply polarity: ()

Other sources of supply (as detailed on attached schedule) Page No: ()

Nature of supply parameters

Nominal line voltage to Earth, U_0 :

(230) V

() Hz

(0.93) kA

(0.25) Ω

(1) By enquiry,
measurement, or
by calculation

PART 9 : PARTICULARS OF INSTALLATION REFERRED TO IN THIS REPORT

Means of Earthing

Distributor's facility: ()

Installation earth electrode: ()

Where an earth electrode is used insert

Type – rod(s), tape, etc: ()

Location: ()

Electrode resistance to Earth: () Ω

Main protective conductors

Earthing conductor:

(material) CU csa 16 mm²

Connection / continuity verified: ()

Main protective bonding conductors:

(material) CU csa 10 mm²

Connection / continuity verified: ()

Main protective bonding connections

Water installation pipes: ()

Gas installation pipes: ()

Structural steel: ()

Oil installation pipes: ()

Lightning protection: ()

Other (state):

Main switch / Switch-fuse / Circuit-breaker / RCD

Type: (BS EN) G.2431.7

Location: ()

No. of poles: (2)

Current rating: (100) A

Rating / setting of device: () A

Voltage rating: (230) V

Where an RCD is used as the main switch

RCD rated residual operating current, $I_{\Delta n}$:

Measured operating time: () ms

Rated time delay: () ms

*Where the installation is supplied by more than one source, the higher or highest values of prospective fault current, I_{pf} , and external earth fault loop impedance, Z_e , must be recorded.

All fields must be completed. Enter either, as appropriate: '✓' if Acceptable condition; 'N/A' if Not applicable; 'LIM' if a Limitation exists; or Code appropriately – CODE 'C1', 'C2', 'C3' or 'FI' (codes to be recorded in PART 6, with additional comments (where appropriate) on attached numbered sheets)

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PART 10 : SCHEDULE OF ITEMS INSPECTED

1. External condition of intake equipment (visual inspection only) (If inadequacies are identified with the intake equipment, it is recommended the person ordering the report informs the appropriate authority)		4. Consumer unit(s) / Distribution board(s)		4.15 Protection against electromagnetic effects where cables enter metallic consumer unit / enclosure:	
1.1 Service cable:	(✓.....)	4.1 Adequacy of working space / accessibility to consumer unit / distribution board:	(✓.....)	4.16 RCDs provided for fault protection – includes RCBOs:	(N/A.....)
1.2 Service head:	(✓.....)	4.2 Security of fixing:	(✓.....)	4.17 RCDs provided for additional protection – includes RCBOs:	(✓.....)
1.3 Earthing arrangement:	(✓.....)	4.3 Condition of enclosure(s) in terms of IP rating:	(✓.....)	4.18 Confirmation of indication that SPD is functional:	(N/A.....)
1.4 Meter tails:	(✓.....)	4.4 Condition of enclosure(s) in terms of fire rating:	(C3.....)	4.19 Adequacy of AFDD(s), where specified:	(N/A.....)
a) Cutout fuse to meter	(✓.....)	4.5 Enclosure not damaged / deteriorated so as to impair safety:	(✓.....)	4.20 Confirmation that conductor connections, including connections to busbars, are correctly located in terminals and are tight and secure:	(✓.....)
b) Meter to consumer unit	(✓.....)	4.6 Presence of linked main switch:	(✓.....)	5. Distribution / final circuits	
1.5 Metering equipment:	(✓.....)	4.7 Operation of main switch(es) (functional check):	(✓.....)	5.1 Identification of conductors:	(✓.....)
1.6 Isolator (where present):	(N/A.....)	4.8 Main switch capable of being secured in the OFF position:	(✓.....)	5.2 Cables correctly supported throughout:	(✓.....)
2. Presence of adequate arrangements for other sources		4.9 Operation of circuit-breakers and RCDs to prove disconnection (functional check):	(✓.....)	5.3 Condition of insulation of live parts:	(✓.....)
2.1 Adequate arrangements where a generating set operates as a switched alternative to the public supply:	(N/A.....)	4.10 Correct identification of circuits and protective devices:	(✓.....)	5.4 Non-sheathed live conductors protected by enclosure in conduit, ducting or trunking (including confirmation of the integrity of conduit and trunking systems):	(N/A.....)
2.2 Adequate arrangements where generating set operates in parallel with the public supply:	(N/A.....)	4.11 Presence of appropriate circuit charts, warning and other notices:	(C3.....)	5.5 Adequacy of cables for current-carrying capacity with regard to the type and nature of installation:	(✓.....)
2.3 Presence of alternative / additional supply warning notices:	(N/A.....)	a) Provision of circuit charts/schedules or equivalent forms of information	(✓.....)	5.6 Adequacy of protective devices; type and rated current for fault protection:	(✓.....)
3. Earthing and bonding arrangements		b) Warning notice of method of isolation where live parts not capable of being isolated by a single device	(N/A.....)	5.7 Presence and adequacy of circuit protective conductors:	(✓.....)
3.1 Presence and condition of distributor's earthing arrangement:	(✓.....)	c) Periodic inspection and testing notice	(✓.....)	5.8 Co-ordination between conductors and overload protection devices:	(✓.....)
3.2 Presence and condition of earth electrode connection, where appropriate:	(N/A.....)	d) Presence of RCD six-monthly notice, where required	(✓.....)	5.9 Wiring system(s) appropriate for the type and nature of the installation and external influences:	(✓.....)
3.3 Confirmation of adequate earthing conductor size:	(✓.....)	e) Warning notice of non-standard (mixed) colours of conductors present	(✓.....)	5.10 Cables adequately protected against mechanical damage and abrasion:	(✓.....)
3.4 Accessibility and condition of earthing conductor at Main Earthing Terminal (MET):	(✓.....)	f) All other required labelling provided	(N/A.....)	5.11 Provision of additional protection by 30 mA RCD (see Note):	(✓.....)
3.5 Confirmation of adequate main protective bonding conductor sizes:	(✓.....)	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):	(✓.....)	a) For all socket-outlets with a rated current not exceeding 32 A	(✓.....)
3.6 Accessibility and condition of main protective bonding conductor connections:	(✓.....)	4.13 Single-pole switching or protective devices in the line conductors only:	(✓.....)	b) For mobile equipment not exceeding a rating of 32 A for use outdoors	(✓.....)
3.7 Accessibility and condition of other protective bonding connections:	(✓.....)	4.14 Protection against mechanical damage where cables enter consumer unit / distribution board:	(✓.....)	c) For cables concealed in walls / partitions at a depth of less than 50 mm	(✓.....)
3.8 Provision of earthing and bonding labels at all appropriate locations:	(✓.....)				

All fields must be completed. Enter either, as appropriate: '✓' if Acceptable condition; 'N/A' if Not applicable; 'LIM' if a Limitation exists; or Code appropriately – CODE 'C1', 'C2', 'C3' or 'F1' (codes to be recorded in PART 6, with additional comments (where appropriate) on attached numbered sheets)

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PART 10: SCHEDULE OF ITEMS INSPECTED

- | | | |
|----|---|-------------------------------------|
| d) | For cables concealed in walls / partitions containing metal parts regardless of depth | ☒ |
| e) | For all AC final circuits supplying luminaires | ☒ |

Note: Older installations designed prior to BS 7671: 2008 may not have been provided with RCDs for additional protection.

- | | | |
|------|--|-----|
| 5.12 | Provision of fire barriers, sealing arrangements and protection against thermal effects: | (✓) |
| 5.13 | Band II cables segregated / separated from Band I cables: | (✓) |
| 5.14 | Cables segregated / separated from communications cabling: | (✓) |
| 5.15 | Cables segregated / separated from non-electrical services: | (✓) |
| 5.16 | Termination of cables at enclosures (extent of sampling indicated in PART 7 of the report): | (✓) |
| | a) Connections soundly made and under no undue strain | (✓) |
| | b) No basic insulation of a conductor visible outside enclosure | (✓) |
| | c) Connection of live conductors adequately enclosed | (✓) |
| | d) Adequately connected at point of entry to enclosure | (✓) |
| 5.17 | Condition of accessories including socket-outlets, switches and joint boxes is satisfactory: | (✓) |

6. Isolation and switching

- (isolation, switching off for mechanical maintenance and functional switching)
- 6.1 In general:
- a) Presence and condition of appropriate devices (.....) (✓)
 - b) Correct operation verified (.....) (✓)
- 6.2 For isolation and switching for mechanical maintenance only:
- a) Capable of being secured in the OFF position, where appropriate (.....) (✓)

PART 11 : SCHEDULES AND ADDITIONAL PAGES

Schedule of Inspections Page No(s): (4 & 5)	Schedule of Circuit Details and Test Results for the installation Page No(s): (6)	Additional pages, including data sheets for additional sources Page No(s): ()	Special installations or locations (indicated in item 9, above) Page No(s): ()	Continuation sheets Page No(s): ()
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The pages identified are an essential part of this report (see Regulation 653.2).

All fields must be completed. Enter either, as appropriate: '✓' if Acceptable condition; 'N/A' if Not applicable; 'LIM' if a Limitation exists;

CODE 'C1', 'C2', 'C3' or 'F1' (codes to be recorded in PART 6, numbered sheets) (with additional comments (where appropriate) on attached

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PART 12 : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS																					Circuits/equipment vulnerable to damage when testing. <i>ITE EQUIPMENT</i>									
CODES for Type of wiring			Thermoplastic insulated / sheathed cables		Thermoplastic cables in metallic conduit		Thermoplastic cables in non-metallic conduit		Thermoplastic cables in non-metallic trunking		Thermoplastic cables in metallic trunking		Thermoplastic / SWA cables		Thermosetting / SWA cables		Mineral-insulated cables		other - state:											
Circuit number	Circuit description * Where this consumer unit is remote from the origin of the installation, record details of the circuit supplying this consumer unit on the first line.	Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa		Max. disconnection time (BS 7671) (s)	Protective device			RCD Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device** (Ω)	Circuit impedances (Ω)				Insulation resistance		Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons								
					Live (mm ²)	cpc (mm ²)		BS (EN)	Type	Rating (A)			Short-circuit capacity (kA)	Ring final circuits only (measured end to end)	(Line) I ₁	(Neutral) I _n	(cpc) I ₂	All circuits (complete at least one column)				Live / Live (MΩ)	Live / Earth (MΩ)	Test voltage DC (V)	RCD (✓)	AFDD (✓)				
	<i>A 10 WAY PLASTIC CONSUMER UNIT ON SITE (GROUND FLOOR)</i>																													
1	<i>NEAR SITTERY. CONTROLLED WAYS</i>																													
2	<i>SPARE MCB</i>																													
3	<i>SPARE MCB</i>																													
4	<i>SPARE MCB</i>																													
	<i>RED 1 Controlled Circuit</i>																													
1	<i>SPARE MCB</i>																													
2	<i>SOCKET 14 THERM A 100</i>					2.5	1.5	0.4	6008	B	32	10	30																	
3	<i>SOCKET 15 ROADS A 100</i>					2.5	1.5	0.4	6089	B	32	6	30	1.37	0.51	0.51	0.87	0.34	N/A Lim	>60	500	✓	17	✓	✓	N/A				
	<i>RED 2 Controlled Circuit</i>																													
1	<i>SPARE MCB</i>																													
2	<i>LIGHTS HYDRANT A 100</i>					1.5	1.0	0.4	6008	B	6	10	30																	
3	<i>STOWER ROAD</i>																													
4	<i>HEAT APPR A 100</i>					1.5	1.0	0.4	6089	B	6	6	30	7.28	N/A	N/A	N/A	—	N/A Lim	>43	500	✓	18	✓	✓	N/A				
5	<i>LIGHTS ROAD, HALL A 100</i>					1.5	1.0	0.4	6089	B	6	6	30	7.28	N/A	N/A	N/A	—	N/A Lim	>43	500	✓	18	✓	✓	N/A				
6	<i>WATERPUMP UNIT</i>																													

Location of consumer unit: *UNDER STAIRS* Designation: *PAVED LIGHTS* Prospective fault current at consumer unit (where applicable): *10.93* kA

TESTED BY Name (capital): *M. PRISA* Position: *SUP* Signature: *M. PRISA* Date: *12/8/20*

TEST INSTRUMENTS (enter serial number against each instrument used)

Multi-function: <i>MET 1710</i>	Continuity: <i>N/A</i>	Insulation resistance: <i>N/A</i>	Earth fault loop impedance: <i>N/A</i>	Earth electrode resistance: <i>N/A</i>	RCD: <i>N/A</i>
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This continuation sheet is not valid if the serial number is not the same as the corresponding certificate or report.

DSN18

298410

CONTINUATION SHEET:

DOMESTIC ELECTRICAL INSTALLATION CERTIFICATE Small installations up to 100 A single phase supply &
DOMESTIC ELECTRICAL INSTALLATION CONDITION REPORT Small installations up to 100 A single phase supply

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DCN / DPN : SCHEDULE OF CIRCUIT DETAILS AND TEST RESULTS

Circuits/equipment vulnerable to damage when testing

TEST REPORT

CODES for Type 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) other - state:	Test buttons													
Circuit number	Circuit description * Where this consumer unit is remote from the origin of the installation, record details of the circuit supplying this consumer unit on the first line.	Type of wiring (see Codes)	Reference Method (BS 7671)	Number of points served	Circuit conductor csa		Max. disconnection time (BS 7671) (s)	Protective device			RCD Operating current, I _{Δn} (mA)	Maximum permitted Z _s for installed protective device** (Ω)	Circuit impedances (Ω)			Insulation resistance		Polarity	Max. measured earth fault loop impedance, Z _s (Ω)	RCD operating time (ms)	Test buttons			
					Live (mm ²)	cpc (mm ²)		BS (EN)	Type	Rating (A)			Short-circuit capacity (kA)	Ring final circuits only (measured end to end)	All circuits (complete at least one column)	Live / Live (MΩ)	Live / Earth (MΩ)				Test voltage DC (V)	RCD (✓)	AFDD (✓)	
																								(Line) I ₁
A 10 way Resin encased for split phase unit on site (see HOOR)																								
MAIN SWITCH																								
1	SPARE WAY																							
REDY Controlled Circuit																								
1	SOCKET OUTLET A 100		A 100	3	2.5	1.5	0.4	608	B	32	6	30	1.37	N/A	N/A	—	N/A L1/N	100	500	✓	0.67	14	✓	N/A
2	SOCKET OUTLET A 100		A 100	6	2.5	1.5	0.4	608	B	32	6	30	1.37	N/A	N/A	—	N/A L1/N	100	500	✓	0.83	14	✓	N/A
BACK BOAT CAB																								
3	LIGHTS/SMOKE		A 100	7	1.5	1.0	0.4	608	B	6	6	30	7.75	N/A	N/A	—	N/A L1/N	100	500	✓	0.81	14	✓	N/A
WATER/LEAKAGE																								
LIGHTS																								
4	BOILER		A 100	1	2.5	1.5	0.4	608	B	6	6	30	7.75	N/A	N/A	—	N/A L1/N	100	500	✓	0.42	14	✓	N/A
REDY Controlled Circuit																								
SPARE WAY																								
1	SOCKET		A 100	4	2.5	1.5	0.4	608	B	32	6	30	1.37	N/A	N/A	—	N/A L1/N	100	500	✓	0.88	22	✓	N/A
3	LIGHTS/ROTC		A 100	5	1.5	1.0	0.4	608	B	6	6	30	7.75	N/A	N/A	—	N/A L1/N	100	500	✓	1.02	22	✓	N/A
4	SPARE WAY																							

Location of consumer unit: 155: FLOOR CEMENT Designation: POWER/ LIGHT Prospective fault current at consumer unit (where applicable): (.....) kA

TESTED BY Name (capital): M. A. B. B. B. Position: SWP Signature: [Signature] Date: 12/12/18

TEST INSTRUMENTS (enter serial number against each instrument used)

Multi-function: MF-T-1718 Continuity: N/A Insulation resistance: N/A Earth fault loop impedance: N/A Earth electrode resistance: N/A RCD: N/A