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DEIC18.2

ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with BS 7671: 2018+A2:2022 - Requirements for Electrical Installations

PART 1 : DETAILS OF THE CONTRACTOR, CLIENT AND INSTALLATION

DETAILS OF THE CONTRACTOR

Registration No: EPP 2270

Branch No:

Trading Title: PARK ELECTRICAL (REPAIRS) LTD

Address: 49 PENNINE RD, WOODLEY

Postcode: SK6 1JR

Tel No: 07808002932

DETAILS OF THE CLIENT

Contractor Reference Number (CRM):

Name: KANSHO PROPERTIES LTD

Address:

Postcode:

Tel No:

DETAILS OF THE INSTALLATION

Occupier: KANSHO PROPERTIES LTD

Unique Property Reference Number (UPRN):

Address: 31 TRENCHARD DRIVE

Postcode: M22 5LZ

Tel No:

PART 2 : DETAILS OF THE ELECTRICAL WORK COVERED BY THIS INSTALLATION CERTIFICATE

Date works completed: 8.7.24

Description and extent of the installation covered by this certificate: ALL ELECTRICAL INSTALLATION

The installation is New: ☒ An addition: ☐ An alteration: ☐ Replacement of a distribution board: ☐

Where necessary, continue on a separate numbered page: Page No(s) ()

PART 3 : COMMENTS ON THE EXISTING INSTALLATION (in the case of an addition or alteration see Regulation 644.1.2)

N/A

Where necessary, continue on a separate numbered page: Page No(s) ()

PART 4A : DECLARATION FOR THE ELECTRICAL INSTALLATION WORK (use where the design, construction, inspection & testing have been the responsibility of one person)

DESIGN, CONSTRUCTION, INSPECTION & TESTING (the extent of liability of the signatory is limited to the work detailed in PART 2)

I, being the person responsible for the design, construction, inspection and testing of the electrical installation, particulars of which are described in PART 2, having exercised reasonable skill and care when carrying out the design, hereby CERTIFY that the design, construction, inspection and testing for which I have been responsible is to the best of my knowledge and belief in accordance with BS 7671: 2018+A2:2022 except for the departures, if any (Regulations 120.3, 133.1.3 and 133.5), detailed as follows:

where required, continued on attached separate page(s) ()

• Permitted exception applied (411.3.3): Yes/NA () Risk assessment attached: () Page No(s) ()

I, being the designer of the electrical installation, also RECOMMEND that this installation is further inspected and tested by: (date)

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

Name (capital): PHILIP PARIS

Address: 49 PENNINE RD, WOODLEY

Signature: P. Paris

Date: 11.7.24

Organisation: NIC-EIC

Postcode: SK6 1JR

Signature: [Signature]

Date: 11-7-24

Registration No: EPP 2270

Tel No: 07808002932

Date: 11-7-24

REVIEWED BY QUALIFIED SUPERVISOR

Name (capital): E LINCOLN

Address:

Signature:

Date:

Enter a ☒ or value in the respective fields, as appropriate.

Where an item is not applicable insert N/A

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Please see the 'Notes for Recipients'

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Original (to the person ordering the work)



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PART 4B: DECLARATION FOR THE ELECTRICAL INSTALLATION WORK (to be completed where different parties are responsible for the design, construction, inspection & testing)

DESIGN (The extent of liability of the signatories is limited to the work detailed in PART 2)

I/we being the person(s) responsible for the design of the electrical installation, particulars of which are described in PART 2, having exercised reasonable skill and care when carrying out the design, hereby CERTIFY that the design work for which I/we have been responsible is to the best of my/our knowledge and belief in accordance with BS 7671: 2018+A2:2022 except for the departures, if any, detailed on attached page(s) (.....) (Regulations 120.3, 133.1.3 and 133.5).

- Permitted exception applied (411.3.3): Yes/NA Risk assessment attached: (.....) Page No(s) (.....)

DESIGNER 1 Name (capital): PHILIP PARK Date: 11.7.24 Signature: P. S. Park (*Where applicable)

DESIGNER 2 (where there is divided responsibility for design) Name (capital): Date: Signature: (*Where applicable)

I/we, being the designer(s) of the electrical installation, also RECOMMEND that this installation is further inspected and tested by: (date)

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.

Organisation (Designer 1): NIC-EIC Registration No: EPP 2270 Organisation (Designer 2): Registration No:

Address: 49 PENNINGE RD Address: Address:

Postcode: SK6 1JR Tel No: 07808002932 Tel No: Tel No:

CONSTRUCTION (The extent of liability of the signatory is limited to the work detailed in PART 2)

I, being the person responsible for the construction of the electrical installation, particulars of which are described in PART 2, having exercised reasonable skill and care when carrying out the construction, hereby CERTIFY that the said work for which I have been responsible is, to the best of my knowledge and belief, in accordance with BS 7671: 2018+A2:2022 except for the departures, if any, detailed on attached page(s) (.....) (Regulations 120.3 and 133.5).

Name (capital): PHILIP PARK Organisation: NIC-EIC Registration No: EPP 2270

Address: 49 PENNINGE RD Address: Address:

Signature: P. S. Park Date: Postcode: SK6 1JR Tel No: 07808002932

INSPECTION & TESTING (The extent of liability of the signatory is limited to the work detailed in PART 2)

I, being the person responsible for the inspection and testing of the electrical installation, particulars of which are described in PART 2, having exercised reasonable skill and care when carrying out the inspection and testing, hereby CERTIFY that the said work for which I have been responsible is, to the best of my knowledge and belief, in accordance with BS 7671: 2018+A2:2022 except for the departures, if any, detailed on attached page(s) (.....) (Regulations 120.3 and 133.5).

Name (capital): PHILIP PARK Organisation: NIC-EIC Registration No: EPP 2270

Address: 49 PENNINGE RD, WOODLEY Address: Address:

Signature: P. S. Park Date: 11.7.24 Tel No: Postcode:

REVIEWED BY QUALIFIED SUPERVISOR (for the Contractor detailed in PART 1)

Name (capital): CLINCON Signature: [Signature] Date: 11.7.24

Where the electrical work to which this certificate relates includes the installation of a fire alarm system and/or an emergency lighting system (or a part of such systems), this electrical safety certificate should be accompanied by the particular certificate(s) for the system(s).



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PART 5 : SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

System type and earthing arrangements		Number and type of live conductors		Nature of supply parameters	
TN-C: (.....)	TN-S: (.....)	AC 1-phase, 2-wire: (.....)	2-phase, 3-wire: (.....)	Nominal voltage between lines, U_{ll} : (.....) V	(1) By enquiry
TT: (.....)	IT: (.....)	3-phase, 3-wire: (.....)	3-phase, 4-wire: (.....)	Nominal line voltage to Earth, U_0 : (.....) V	(2) By enquiry or by measurement
Supply protective device		DC 2-wire: (.....)	3-wire: (.....)	Nominal frequency, f : (.....) Hz	
BS EN: (.....)	Type: (.....)	Confirmation of supply polarity: (.....)	Other: (.....)	Prospective fault current, I_{pf} : (.....) kA	
Rated current: (.....) A		Other sources of supply (Schedule of Test Results)	Page No: (.....)	Earth fault loop impedance, Z_e : (.....) Ω	

PART 6 : PARTICULARS OF INSTALLATION REFERRED TO IN THIS CERTIFICATE

Main protective conductors		Main protective bonding connections		Main switch / Switch-fuse / Circuit-breaker / RCD	
Maximum demand (load): (.....) A (delete as appropriate)	Earthing conductor: (material) <u>COPPER</u>	Water installation pipes: (.....)	Location: (.....)	BS EN: (.....)	Type: (.....) Rating / setting of device: (.....) A
Means of Earthing	Distributor's facility: (.....)	Gas installation pipes: (.....)	Structural steel: (.....)	No. of poles: (.....)	Current rating: (.....) A
Installation earth electrode(s): (.....)	Connection/continuity verified: (.....)	Oil installation pipes: (.....)	Lightning protection: (.....)	Voltage rating: (.....) V	
Earth electrode type - rod(s), tape, etc: (.....)	Main protective bonding conductors: (material) <u>COPPER</u>	Other (state): (.....)	Other (state): (.....)	Where an RCD is used as the main switch	
Location: (.....)	Connection/continuity verified: (.....)	RCD rated residual operating current, $I_{\Delta n}$: (.....) mA			
Electrode resistance to Earth: (.....) Ω		Rated time delay: (.....) ms			
		Measured operating time: (.....) ms			

PART 7 : SCHEDULE OF ITEMS INSPECTED (enter ✓ or N/A, as applicable)

1. Condition of consumer's intake equipment (visual inspection only)	Outcome (.....)	12. Location(s) containing a bath or shower	Outcome (.....)
2. Parallel or switched alternative sources of supply	(N/A)	13. Other special installations or locations	(.....)
3. Protective measure: Automatic disconnection of supply (ADS)	(.....)	14. Prosumer's low voltage installation(s)	(.....)
4. Basic protection	(.....)	Schedule of Items Inspected by	
5. Protective measures other than ADS	(.....)	Name (capital): (.....)	
		Signature: <u>P. E. P. P.</u>	
		Date: <u>11.7.24</u>	

PART 8 : SCHEDULES AND ADDITIONAL PAGES (the pages identified are an essential part of this report (see Regulation 653.2))

Schedule of Circuit Details and Schedule of Test Results for the installation (PARTS 9A & 9B)	Additional pages, including data sheets for additional sources	Special installations or locations (Indicated in item 13 of PART 7)	Schedules relating to Prosumer's installations (Indicated in item 14 of PART 7)	Continuation sheets
Page No(s): (.....)	Page No(s): (.....)	Page No(s): (.....)	Page No(s): (.....)	Page No(s): (.....)

*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.

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Enter a ✓ or value in the respective fields, as appropriate.

Where an item is not applicable insert N/A

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PART 9A : SCHEDULE OF CIRCUIT DETAILS (GO TO Part 9B 'Schedule of Test Results' to enter test results for the corresponding circuit listed in this part)

Circuit number	Circuit description	Type of wiring (see footer to PART 9B)	Reference Method (BS 7671)	Number of points served	Circuit conductor (number & csa)		Max. disconnection time (BS 7671)	Overcurrent protective device					RCD				
					Live (mm ²)	cpc (mm ²)		BS (EN)	Type	Rating (A)	Short- circuit capacity (kA)	Maximum permitted Z _s [*] (Ω)	BS (EN)	Type	Rating (A)	Operating current, I _{Δn} (mA)	
	R.C.D						(s)										
1	SPARE																
2	SPARE																
3	COOKER	A	101	1	4-0	2.5	0.4	60848	B	32	6	1.09	61008	A	60	30	
4	SOCKETS	A	101	11	2.5	1.5	0.4	60848	B	32	6	1.09	61008	A	60	30	
5	MICROWAVE	A	101	1	2.5	1.5	0.4	60848	B	16	6	2.18	61008	A	60	30	
6	LIGHTS	A	101	9	1.0	1.0	0.4	60848	B	6	6	5.82	61008	A	60	30	
	R.C.D																
7	SOCKETS	A	101	14	2.5	1.5	0.4	60848	B	32	6	1.09	61008	A	60	30	
8	WATER HEATER	A	101	1	2.5	1.5	0.4	60848	B	16	6	2.18	61008	A	60	30	
9	TOWEL RAIL	A	101	5	2.5	1.5	0.4	60848	B	16	6	2.18	61008	A	60	30	
10	LIGHTS	A	101	10	1.0	1.0	0.4	60848	B	6	6	5.82	61008	A	60	30	
11	SMOKE ALARM	A	101	6	1.0	1.0	0.4	60848	B	6	6	5.82	61008	A	60	30	
12	LIGHTS	A	101	11	1.0	1.0	0.4	60848	B	6	6	5.82	61008	A	60	30	

DISTRIBUTION BOARD (DB) DETAILS (complete in every case)

DB designation: **DB/1**
 Location of DB: **LIVING ROOM**
 Z_{db}: **0.46** (Ω) I_{pf} at DB: **530** (A)
 Confirmation of supply polarity: (✓) T1 (✓) T2 (✓) T3 (✓) N/A (✓) PE (✓)
 Phase sequence confirmed: (✓) (✓) (✓)
 SPD Details** Types: T1 (✓) T2 (✓) T3 (✓) N/A (✓)
 Status indicator checked (where functionality indicator is present): (✓) (✓) (✓)

**SPD Type.
 Where combined T1 + T2 or T2 + T3 device is installed, indicate by ticking both Type brackets.
 Where T3 devices are installed on a circuit to protect sensitive equipment, enter details in 'Comments' (PART 9B).
 (See Section 534 for further details).
 Note that not all SPDs have visible functionality indication.

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

Supply to DB is from:
 Overcurrent protective device for the distribution circuit
 BS (EN): (.....) Type: (.....) Nominal voltage: (.....) V Rating: (.....) A No. of phases: (.....)
 Associated RCD (if any)
 BS (EN): (.....) RCD Type: (.....) I_{Δn}: (.....) mA No. of poles: (.....) Operating time: (.....) ms



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PART 9B : SCHEDULE OF TEST RESULTS (MUST reflect circuits entered into 'Schedule of Circuit Details' in Part 9A)

Circuit number	Continuity (Ω)			Insulation resistance			Polarity	Max. measured impedance, Z _s earth fault loop	RCD		AFDD**	Comments and additional information, where required	
	Ring final circuits only (measured end to end)		All circuits (complete at least one column)	Live / Live	Live / Earth	Test voltage DC			Operating time**	Test button			
	(Line) r ₁	(Neutral) r ₂											(cpc) r ₃
NCD													
1													
2													
3				0.26	928	500	✓	0.72	30	✓	MA		
4	0.86	0.59	1.07	0.05	455	500	✓	0.51	30	✓			
5				0.23	421	500	✓	0.60	30	✓			
6				0.03	466	500	✓	0.54	30	✓			
NCD													
7	0.33	0.41	0.86	0.16	442	500	✓	0.62	30	✓	W/A		
8				0.13	397	500	✓	0.54	30	✓			
9				0.20	364	500	✓	0.66	30	✓			
10				0.07	473	500	✓	0.53	30	✓			
11				0.05	2444	500	✓	0.51	30	✓			
12				0.24	492	500	✓	0.77	36	✓			

Circuits/equipment vulnerable to damage when testing (where applicable):

TESTED BY	Name (capital):	Position:	Signature:	Date:
	Philip Park	ELECTRICIAN	P. E. Park	11.7.24
TEST INSTRUMENTS (ENTER SERIAL NUMBER AGAINST EACH INSTRUMENT USED)				
Multi-function:	Continuity:	Insulation resistance:	Earth fault loop impedance:	Earth electrode resistance:
11010531				

* RCD effectiveness is verified using an alternating current test at rated residual operating current (I_{Δn}) ** Where installed. Note, not all AFDDs have a test function. Where a circuit contains an AFDD this should be stated in the field for that circuit in the 'Comments and additional information, where required' column.

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) Thermoplastic / SWA cables	(H) Mineral insulated cables	Other (date):
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Enter a (✓) or value in the respective fields, as appropriate.

Where an item is not applicable insert N/A