



This safety certificate is an important and valuable document which should be retained for future reference

This certificate is not valid if the serial number has been defaced or altered **DCN7/0463468**

## DOMESTIC ELECTRICAL INSTALLATION CERTIFICATE

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor or Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable, LU5 5ZX

019260000

Part P reference

24986717

Contractor's Reference Number

### DETAILS OF THE CLIENT

Client and address  
Bellway Homes Ltd (Northern Home Counties)  
St Andrews House  
Caldecotte Lake Drive  
Caldecotte  
Milton Keynes

Postcode: MK7 8LE

### ADDRESS OF THE INSTALLATION

Installation address  
34 (Plot 108)  
Lingfield Road  
Bicester

Postcode: OX26 1DP

### DETAILS OF THE INSTALLATION

Extent of the installation work covered by this certificate  
Whole Installation

The installation is:

New ☒  
An addition ☐  
An alteration ☐

### DESIGN, CONSTRUCTION, INSPECTION AND TESTING

I, being the person(s) responsible for the design, construction, inspection and testing of the electrical installation (as indicated by my signature adjacent), particulars of which are described above, having exercised reasonable skill and care when carrying out the design, construction, 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, 2008 amended to 2015 (date) except for the departures, if any, detailed as follows:

Details of departures from BS 7671, as amended (Regulations 120.3, 133.5)

None

The extent of liability of the signatory is limited to the work described above as the subject of this certificate. For the **DESIGN** the **CONSTRUCTION** and the **INSPECTION AND TESTING** of the installation.

Signature *B. S. Pope* Name (CAPITALS) B S POPE Date 11/02/2019

The results of the inspection and testing reviewed by the Qualified Supervisor

Signature *B. S. Pope* Name (CAPITALS) B S POPE Date 11/02/2019

### PARTICULARS OF THE APPROVED CONTRACTOR

Trading Title  
BSP Electrics Ltd  
Address  
10 Horwood Court  
Bletchley  
Milton Keynes

Telephone No: 01908645500

Postcode: MK1 1RD



NICEIC Enrolment No 019260

Branch No (if applicable) N/A

### NEXT INSPECTION

§ Enter interval in terms of years, months or weeks, as appropriate

I RECOMMEND that this installation is further inspected and tested after an interval of not more than § Nine years

### COMMENTS ON EXISTING INSTALLATION

Note: Enter 'NONE' or, where appropriate, the page number(s) of additional page(s) of comments on the existing installation

None

In the case of an alteration or additions see section 633 of BS7671

### SCHEDULE OF ADDITIONAL RECORDS\*

See attached schedule

FHN6/0684058

\* Where the electrical work to which this certificate relates includes the installation of a fire detection/alarm system (or a part of such a system), this electrical safety certificate should be accompanied by the particular certificate for the system.

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Please see the 'Notes for Recipients'

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Original (To the person ordering the work)



# DOMESTIC ELECTRICAL INSTALLATION CERTIFICATE

## SUPPLY CHARACTERISTICS

Tick boxes and enter details, as appropriate

### Nature of supply parameters

Notes: (1) by enquiry (2) by enquiry or by measurement (3) where more than one supply, record the higher or highest values

### Characteristics of primary supply overcurrent protective device(s)

<b>System type(s)</b>	<b>Number and type of live conductors</b>		<b>Number of sources</b>	<b>Nominal voltage(s)</b>	<b>Nominal frequency, f<sup>(1)</sup></b>	<b>External earth fault loop impedance, Z<sub>e</sub><sup>(1)</sup></b>	<b>Rated current</b>
TN-S	1-phase (2-wire) <input checked="" type="checkbox"/>	1-phase <input type="checkbox"/>	1	N/a	50 Hz	BS(EN) BS 88-3 Fus	Short-circuit capacity 33 kA
TN-C-S	3-phase (3-wire) <input checked="" type="checkbox"/>	3-phase (4-wire) <input type="checkbox"/>		U <sub>0</sub> (1) 230 V		Type 1	Confirmation of supply polarity <input checked="" type="checkbox"/>
TT	Other <input type="checkbox"/>	Please state N/A					
			<b>Single-phase</b>	<b>Prospective fault current, I<sub>pf</sub> (2)(3)</b>	1.6 kA	<b>3-phase</b>	<b>Prospective fault current, I<sub>pf</sub> (2)(3)</b>
							100 A

## PARTICULARS OF INSTALLATION AT THE ORIGIN

Tick boxes and enter details, as appropriate

<b>Means of earthing</b>	<b>Details of installation earth electrode (where applicable)</b>		<b>Protective measure(s) for fault protection</b>	<b>Measured Z<sub>e</sub></b>	<b>Main Switch/Switch-Fuse/Circuit-Breaker/RCD</b>
Distributor's facility <input checked="" type="checkbox"/>	Type (eg rod(s), tape etc) N/A	Location N/A	ADS	0.26 Ω	Type BS(EN) BS EN 60947-
Installation earth electrode <input type="checkbox"/>	Electrode resistance R <sub>A</sub> N/A Ω	Method of measurement N/A		Maximum demand (Load) 60 Amps	Voltage rating 230 V
				Number of smoke alarms 2	Rated current, I <sub>n</sub> 100 A
<b>Earthing conductor</b>	<b>Main protective bonding conductors and bonding of extraneous-conductive-parts</b>		<b>Water installation pipes</b>	<b>Structural steel</b>	<b>Supply conductors material</b>
Conductor material Copper	Continuity/connection verified <input checked="" type="checkbox"/>	Conductor material Copper	N/A	N/A	Copper
Conductor csa 16.0 mm <sup>2</sup>	Location (where not obvious) Gas Meter Box	Conductor csa 10.0 mm <sup>2</sup>	Oil installation pipes N/A	Other N/A	Supply conductors csa 25.0 mm <sup>2</sup>
			Gas installation pipes <input checked="" type="checkbox"/>		RCD operating current, I <sub>Δn</sub> * N/A mA
					RCD operating time (at I <sub>Δn</sub> )* N/A ms
					Rated time delay* N/A ms

\* applicable only where an RCD is used as a main circuit-breaker

## SCHEDULE OF ITEMS INSPECTED

† See note below

### 1.0 CONDITION/ADEQUACY OF DISTRIBUTOR'S/SUPPLY INTAKE EQUIPMENT (the Distributor should be notified of any unsatisfactory equipment)

1.1	Service cable	<input checked="" type="checkbox"/>
1.2	Service head	<input checked="" type="checkbox"/>
1.3	Distributor's earthing arrangement	<input checked="" type="checkbox"/>
1.4	Meter tails - Distributor/Consumer	<input checked="" type="checkbox"/>
1.5	Metering equipment	<input checked="" type="checkbox"/>
1.6	Means of main isolation (where present)	<input checked="" type="checkbox"/>

### 2.0 PARALLEL OR SWITCHED ALTERNATIVE SOURCES OF SUPPLY

2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply	N/A
2.2	Adequate arrangements where a generating set operates in parallel with the public supply	<input checked="" type="checkbox"/>
2.3	Presence of alternative/additional supply warning notice(s)	<input checked="" type="checkbox"/>

### 3.0 AUTOMATIC DISCONNECTION OF SUPPLY

3.1	Presence and adequacy of protective earthing/ bonding arrangements as follows:	
a)	Distributor's earthing arrangement or installation earth electrode arrangement	<input checked="" type="checkbox"/>
b)	Earthing conductor and connections	<input checked="" type="checkbox"/>
c)	Main protective bonding conductors and connections	<input checked="" type="checkbox"/>
d)	Earthing/bonding labels at all appropriate locations	<input checked="" type="checkbox"/>

### 3.2 Accessibility of:

a)	Earthing conductor connections	<input checked="" type="checkbox"/>
b)	All protective bonding connections	<input checked="" type="checkbox"/>

### 4.0 BASIC PROTECTION

#### 4.1 Presence and adequacy of measures to provide basic protection (prevention of contact with live parts) within the installation:

a)	Insulation of live parts e.g. conductors completely covered with durable insulating materials	<input checked="" type="checkbox"/>
b)	Barriers or enclosures e.g. correct IP rating	<input checked="" type="checkbox"/>

### 5.0 ADDITIONAL PROTECTION

#### 5.1 Presence and effectiveness of additional protection methods

a)	RCD(s) not exceeding 30 mA operating current	<input checked="" type="checkbox"/>
b)	Supplementary bonding	N/A

### 6.0 OTHER METHODS OF PROTECTION

#### 6.1 Basic and fault protection

a)	SELV	N/A
b)	PELV	N/A
c)	Double insulation/Reinforced insulation	N/A
d)	Electrical separation for one item of equipment	N/A

† All boxes must be completed. '✓' indicates that an inspection was carried out and that the result was **satisfactory**. 'N/A' indicates that an inspection was **not applicable** to the particular installation.

‡ Where a smoke alarm has been installed, separate certification is required on the appropriate form.



# DOMESTIC ELECTRICAL INSTALLATION CERTIFICATE

## SCHEDULE OF ITEMS INSPECTED continued

† See note below

### 7.0 CONSUMER UNIT(S)

7.1 Adequacy of working space/accessibility	✓
7.2 Security of fixing	✓
7.3 Adequacy/security of barriers	✓
7.4 Insulation of live parts not damaged during erection	✓
7.5 Enclosures not damaged during installation	✓
7.6 Suitability of enclosures for IP and fire ratings	✓
7.7 Presence and operation of main switch(es), linked, where appropriate to verify disconnection	✓
7.8 Operation of circuit-breakers and RCDs to prove functionality	✓
7.9 Correct identification of circuit protective devices	✓
7.10 RCD(s) provided for fault protection, where specified	N/A
7.11 RCD(s) provided for additional protection, where specified	✓
7.12 Confirmation overvoltage protection (SPDs) provided and functional where specified	N/A
7.13 Presence of RCD quarterly test notice at or near the origin	✓
7.14 Presence of diagrams, charts or schedules at or near each Consumer unit(s)	✓
7.15 Presence of non-standard (mixed) cable colour warning notice at or near the appropriate distribution board, where required	N/A
7.16 Presence of next inspection recommendation label	✓
7.17 Presence of other required labelling	✓
7.18 Selection of protective device(s) and base(s); correct type and rating	✓
7.19 Single-pole protective devices in line conductor only	✓
7.20 Protection against mechanical damage where cables enter equipment	✓
7.21 Protection against electromagnetic effects where cables enter ferromagnetic enclosures	✓
7.22 Confirmation that ALL conductor connections, including connections to busbars are correctly located in terminals and are tight and secure	✓

### 8.0 CIRCUITS

8.1 Identification of conductors	✓
8.2 Cables adequately supported throughout their length	✓
8.3 Examination of cables for signs of mechanical damage during installation	✓
8.4 Adequacy of cables for current-carrying capacity with regard to the type and nature of installation	✓
8.5 Adequacy of protective devices: type and rated current for fault protection	✓
8.6 Presence and adequacy of circuit protective conductors	✓
8.7 Coordination between conductors and overload protective devices	✓
8.8 Non-sheathed cables enclosed throughout (e.g. in conduit/trunking)	N/A
8.9 Cables installed under floors, above ceilings, in walls/partitions, adequately protected against damage	
a) Installed in prescribed zones	✓
b) Incorporating earthed armour or sheath, or installed within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like	N/A
8.10 Provision of additional protection by RCDs having rated residual operating current ( $I_{\Delta n}$ ) not exceeding 30 mA	
a) For mobile equipment with a current rating not exceeding 32 A for use outdoors	✓

b) For all socket-outlets of rating 20 A or less, unless exempt	✓
c) For cables installed in walls/partitions at a depth of less than 50 mm	✓
d) For cables installed in walls/partitions containing metal parts regardless of depth	✓
8.11 Provision of fire barriers, sealing arrangements so as to minimise the spread of fire	✓
8.12 Band II cables segregated/separated from Band I cables	✓
8.13 Cables segregated/separated from non-electrical services	✓
8.14 Termination of cables at enclosures	
a) Connections under no undue strain	✓
b) No basic insulation of a conductor visible outside enclosure	✓
8.15 Circuit accessories not damaged during erection	✓
8.16 Single-pole devices for switching or protection in the line conductors only	✓
8.17 Adequacy of connections, including cpcs, within accessories and at fixed and stationary equipment	✓
8.18 Presence of appropriate devices for isolation and switching correctly located	
a) Accessible means of switching off for mechanical maintenance	✓
b) Correct operation verified (functional check)	✓

### 9.0 CURRENT-USING EQUIPMENT (PERMANENTLY CONNECTED)

9.1 Adequacy of working space/accessibility	✓
9.2 Suitability of equipment in terms of IP and fire ratings	✓
9.3 Enclosure not damaged/deteriorated during installation so as to impair safety	✓
9.4 Cable entry holes in ceilings above luminaires, sized or sealed so as to restrict the spread of fire	✓
9.5 Recessed luminaires (downlighters)	
a) Correct type of lamps fitted	✓
b) Installed to minimise build-up of heat	✓

### 10.0 LOCATION(S) CONTAINING A BATH OR SHOWER

10.1 Additional protection by RCD not exceeding 30 mA	
a) For low voltage circuits serving the location	✓
b) For low voltage circuits passing through Zone 1 and Zone 2 not serving the location	✓
10.2 Where used as a protective measure, requirements for SELV or PELV are met	N/A
10.3 Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535	✓
10.4 Presence of supplementary bonding conductors unless not required by BS 7671: 2008	N/A
10.5 Low voltage (e.g. 230 volts) socket-outlets sited at least 3 m from zone 1	N/A
10.6 Suitability of equipment for external influences for installed location in terms of IP rating	✓
10.7 Suitability of electrical equipment for installation in a particular zone	✓

### 11.0 OTHER PART 7 SPECIAL INSTALLATIONS OR LOCATIONS

11.1 List all other special installations or locations present, if any. (Record separately where the result of particular inspections apply)

N/A

## SCHEDULE OF ITEMS INSPECTED BY:

Signature

B. S. POPE

Name

B S POPE

Date

11/02/2019

† All boxes must be completed. ✓ indicates that an inspection was carried out and that the result was **satisfactory**. 'N/A' indicates that an inspection was **not applicable** to the particular installation.

‡ Where a smoke alarm has been installed, separate certification is required on the appropriate form.

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[illegible]

TEST INSTRUMENTS		Test instrument (serial numbers) used									
Multi-function	U40-288	Insulation resistance	N/a	Continuity	N/a	Earth electrode resistance	N/a	Earth fault loop impedance	N/a	RCD	N/a



# CERTIFICATE OF DESIGN, INSTALLATION, AND COMMISSIONING OF A FIRE DETECTION AND ALARM SYSTEM OF GRADE B, C, D, E OR F IN A DOMESTIC PREMISES

## DETAILS OF THE CLIENT

Issued in accordance with BS 5839-6 : 2013.

Client: Bellway Homes Ltd (Northern Home Counties)  
Address: St Andrews House, Caldecotte Lake Drive, Caldecotte, Milton Keynes

Postcode: MK7 8LE

## DETAILS OF THE FIRE DETECTION AND ALARM SYSTEM

Address: 34 (Plot 108), Lingfield Road, Bicester

The system is

New ☒

Postcode: OX26 1DP

Extent of the fire detection and alarm system covered by this certificate  
Smoke detection only

An alteration ☐

## DESCRIPTION OF THE SYSTEM GRADE AND SYSTEM CATEGORY

System grade	B	N/A	C	N/A	D	<input checked="" type="checkbox"/>	E	N/A	F	N/A	System category	LD1	N/A	LD2	N/A	LD3	<input checked="" type="checkbox"/>	PD1	N/A	PD2	N/A
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## COMMISSIONING

See Note 1

A tick in the box indicates the inspection or test has been performed and the results are satisfactory. N/A indicates an inspection or a test was Not Appropriate

Test buttons checked	<input checked="" type="checkbox"/>	Simulated smoke or aerosol test	<input type="checkbox"/>	Dedicated circuit(s) provided	<input checked="" type="checkbox"/>	Sound level instrument used	See note 2
All alarm warning devices operate	<input checked="" type="checkbox"/>	Heat test	<input type="checkbox"/>	Protective device labelled	<input checked="" type="checkbox"/>	Model and serial No.	N/A
Silencing system checked	<input checked="" type="checkbox"/>	Bedroom sound level (Clause 13.2)	<input type="checkbox"/>	Audible and visual indication of mains failure	<input checked="" type="checkbox"/>	Serial No. of associated Electrical Installation Certificate or Minor Electrical Installation Works Certificate (See Note 1)	DCN7/0463468

## USER INSTRUCTIONS

Tick boxes to indicate that the written information has been issued to the user

I/We the undersigned declare that the occupier\* of the domestic premises (or owner in the case of a house in multiple occupancy) has been provided with written information about essential aspects of the operation and maintenance of the system, as follows:

Operation of the system	<input type="checkbox"/>	Routine testing of the system	<input type="checkbox"/>	Checking the system on reoccupation on the dwelling after a vacation etc.	<input type="checkbox"/>
Action to be taken in the event of a fire alarm signal	<input type="checkbox"/>	Servicing and maintenance of the system (including intervals at which any batteries should be replaced)	<input type="checkbox"/>	The need to avoid contamination of detectors by paint	<input type="checkbox"/>
Avoidance of false alarms and action in the event of a false alarm	<input type="checkbox"/>	The need to keep clear space around all detectors and manual call points	<input type="checkbox"/>	As-fitted drawing	<input type="checkbox"/>
Warning that apparent false alarm from carbon monoxide detector may not be false alarm	<input type="checkbox"/>	Special precautions relevant to any lithium batteries used in the system	<input type="checkbox"/>		

\*In the case of newly-built property, and where the future occupier is unknown, the User Instructions should be issued to the builder for onward transmission to the purchaser, together with the related electrical safety certificate.

## CERTIFICATION OF DESIGN, INSTALLATION AND COMMISSIONING

I/We, being the person(s) responsible (as indicated by my/our signature(s), below), for the design, installation, and commissioning of the fire alarm system, particulars of which are set out above, CERTIFY that the said work for which I/we have been responsible complies to the best of my/our knowledge and belief with the recommendations of BS 5839: Part 6 for the system described above, except for the variations, if any, stated below:

Variations (if any) none

The extent of liability of the signatory is limited to the work described above as the subject of this certificate.

For the DESIGN, INSTALLATION AND COMMISSIONING of the system:

This certificate has been reviewed by the Qualified Supervisor:

Signature: *B S POPE* Date: 11/02/2019

Signature: *B S POPE* Date: 11/02/2019

Name (CAPITALS) B S POPE

Name (CAPITALS) B S POPE

## DETAILS OF THE APPROVED CONTRACTOR

Trading Title BSP Electrics Ltd

Address 10 Horwood Court  
Bletchley  
Milton Keynes

Postcode: MK1 1RD

NICEIC Enrolment No (Essential information) 019260000

Branch No (if applicable)

Note 1. The electrical safety aspects of the fire detection and alarm system must also be certified in accordance with BS 7671: 'Requirements for Electrical Installations' by issuing an electrical safety certificate of a form which meets the requirements of BS 7671, such as a 'Domestic Electrical Installation Certificate' or, where appropriate, a 'Minor Electrical Installation Works Certificate'.

Note 2. An instrument complying with BS 61672, Class 2, with slow response and A weighting, is suitable for measuring the sound level.

Note 3. This certificate may be required by an authority responsible for enforcement of fire safety legislation, such as the building control authority or housing authority. The recipient of this certificate might rely on this certificate as evidence of compliance with legislation. Liability could arise on the part of any organisation or person that issues a certificate without due care in ensuring its validity.

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