



This certificate is not valid if the serial number has been defaced or altered

HM/ 3187191

# MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with *British Standard 7671 - Requirements for Electrical Installations* by an Approved Contractor or Conforming Body enrolled with the National Inspection Council for Electrical Installation Contracting, Vintage House, 37 Albert Embankment, London SE1 7UJ.

See reverse of this page for explanatory notes relating to NICEIC software endorsement

To be used only for minor electrical work which does not include the provision of a new circuit

## PART 1: DETAILS OF THE MINOR WORKS

Details of departures, if any, from BS 7671: 2001 (as amended):

Client: *WINDSOR RD. RESIDENTS ASS. LTD,*

Date minor works completed: *25/6/08* Contract reference, if any:

Description of the minor works:

*Instal fused isolator switch to feed 5 no 15w floodlights.*

Location/address of the minor works:

*Broughton Grange,  
Windsor Road,  
Windsor.*

## PART 2: DETAILS OF THE MODIFIED CIRCUIT

|   |   |                  |                |   |                                     |
|---|---|------------------|----------------|---|-------------------------------------|
| System type and earthing arrangements:                  | TN-C-S <input checked="" type="checkbox"/>      | TN-S             | TT             | TN-C                                    | IT                                  |
| Method of protection against indirect contact:          | EEBAD   |                  |                |   |                                     |
| Overcurrent protective device for the modified circuit: | BS(EN) <i>3030</i>                              | Type             | Rating         | <i>5</i>                                | A                                   |
| Residual current device (if applicable):                | BS(EN)  | Type             | $I_{\Delta n}$ | <i>1</i>                                | mA                                  |
| Details of wiring system used to modify the circuit:    | Type <i>PVC 1 core</i>                          | Reference method | <i>3</i>       | csa of lives <i>1.5</i> mm <sup>2</sup> | csa of cpc <i>1</i> mm <sup>2</sup> |
| Where protection against indirect contact is EEBAD:     | Maximum disconnection time permitted by BS 7671 | <i>5</i>         | s              | Maximum $Z_s$ permitted by BS 7671      | <i>10</i> $\Omega$                  |
| Comments, if any, on existing installation:             |   |                  |                |   |                                     |

## PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS † Essential inspections and tests

|  |                                     |   |   |                                     |     |
|--|-------------------------------------|---|---|-------------------------------------|-----|
| † Confirmation that necessary inspections have been undertaken   | <input checked="" type="checkbox"/> | (✓)   | † Confirmation of the adequacy of earthing              | <input checked="" type="checkbox"/> | (✓) |
| † Circuit resistance: $R_1 + R_2$ $\Omega$ or $R_2$ $\Omega$   |                                     |   | † Confirmation of the adequacy of equipotential bonding | <input checked="" type="checkbox"/> | (✓) |
| Insulation resistance:<br>(* In a multi-phase circuit, record the lower or lowest value, as appropriate) | Phase/Phase*                        | M $\Omega$  | † Confirmation of correct polarity                      | <input checked="" type="checkbox"/> | (✓) |
|  | Phase/Neutral*                      | <i>&gt;200</i> M $\Omega$                             | † Maximum measured earth fault loop impedance, $Z_s$    | <i>3.66</i> $\Omega$                |     |
|  | † Phase/Earth*                      | <i>∞</i> M $\Omega$                                   | † RCD operating time at $I_{\Delta n}$ (if RCD fitted)  | -                                   | ms  |
| † Neutral/Earth  | <i>∞</i> M $\Omega$                 | † RCD operating time at $5I_{\Delta n}$ if applicable | -   | ms                                  |     |

Agreed limitations, if any, on the inspection and testing:

## PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671:2001, amended on the date shown\* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671:2001 except as detailed in Part 1 of this certificate.

Name (CAPITALS): *M.S. ALEXANDER*

Signature: *M. Alexander*

Position: *Proprietor*

Date: *10/07/08*

For and on behalf of  
(Trading Title of Approved Contractor)

Address and Postcode

*Alexander Electrical Services*

*1 Galmouth Grove,  
Windsor  
SN3 1ET*

Enrolment Number: *027 139*

Branch number (if applicable)

(The enrolment number is essential information)



This certificate is not valid if the serial number has been defaced or altered

HM/ 3187192

# MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with *British Standard 7671 - Requirements for Electrical Installations* by an Approved Contractor or Conforming Body enrolled with the National Inspection Council for Electrical Installation Contracting, Vintage House, 37 Albert Embankment, London SE1 7UJ.

See reverse of this page for explanatory notes relating to NICEIC software endorsement

To be used only for minor electrical work which does not include the provision of a new circuit

## PART 1: DETAILS OF THE MINOR WORKS

Details of departures, if any, from BS 7671: 2001 (as amended):

Client: *WINARON RD. RESIDENTS ASS. LTD*

Date minor works completed: *25/6/08* Contract reference, if any: */*

Description of the minor works:

*Distal 1no. metal clad double sockets (with integral RCD protection) in base of block of flats nos 1-4*

Location/address of the minor works:

*Broughton Grange,  
Windsor Road,  
Surrey.*

## PART 2: DETAILS OF THE MODIFIED CIRCUIT

|   |   |                           |                                    |                            |                                       |
|---|---|---------------------------|------------------------------------|----------------------------|---------------------------------------|
| System type and earthing arrangements:                  | TN-C-S <input checked="" type="checkbox"/>      | TN-S                      | TT                                 | TN-C                       | IT                                    |
| Method of protection against indirect contact:          |   | <i>EEDAD / RCD</i>        |                                    |                            |                                       |
| Overcurrent protective device for the modified circuit: | BS(EN)  | <i>3036</i>               | Type                               | Rating                     | <i>15</i> A                           |
| Residual current device (if applicable):                | BS(EN)  | <i>7283</i>               | Type                               | $I_{\Delta n}$             | <i>30</i> mA                          |
| Details of wiring system used to modify the circuit:    | Type <i>RCAVC</i>                               | Reference method <i>3</i> | csa of lives                       | <i>2.5</i> mm <sup>2</sup> | csa of cpc <i>1.5</i> mm <sup>2</sup> |
| Where protection against indirect contact is EEBAD:     | Maximum disconnection time permitted by BS 7671 | <i>0.4</i> s              | Maximum $Z_s$ permitted by BS 7671 | <i>2.67</i> $\Omega$       |                                       |
| Comments, if any, on existing installation:             |   |                           |                                    |                            |                                       |

## PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

|  |                                     |                           |   |                                     |     |
|--|-------------------------------------|---------------------------|---|-------------------------------------|-----|
| † Confirmation that necessary inspections have been undertaken   | <input checked="" type="checkbox"/> | (✓)                       | † Confirmation of the adequacy of earthing              | <input checked="" type="checkbox"/> | (✓) |
| † Circuit resistance: $R_1 + R_2$ $\Omega$ or $R_2$ $\Omega$   |                                     |                           | † Confirmation of the adequacy of equipotential bonding | <input checked="" type="checkbox"/> | (✓) |
| Insulation resistance:<br>(* In a multi-phase circuit, record the lower or lowest value, as appropriate) | Phase/Phase*                        | M $\Omega$                | † Confirmation of correct polarity                      | <input checked="" type="checkbox"/> | (✓) |
|  | Phase/Neutral*                      | <i>&gt; 20</i> M $\Omega$ | † Maximum measured earth fault loop impedance, $Z_s$    | <i>0.48</i> $\Omega$                |     |
|  | † Phase/Earth*                      | <i>11</i> M $\Omega$      | † RCD operating time at $I_{\Delta n}$ (if RCD fitted)  | <i>49</i> ms                        |     |
|  | † Neutral/Earth                     | <i>11</i> M $\Omega$      | † RCD operating time at $5I_{\Delta n}$ if applicable   | <i>23</i> ms                        |     |

Agreed limitations, if any, on the inspection and testing:

## PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671:2001, amended on the date shown\* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671:2001 except as detailed in Part 1 of this certificate.

\* 2004.

Name (CAPITALS) *M. S. ALEXANDER*

Signature *J. Alexander*

Position *Proprietor*

Date *10/07/08*

For and on behalf of (Trading Title of Approved Contractor)

*Alexander Electrical Services,*

Address and Postcode

*1 Falmouth Grove,  
Surrey  
SN3 1ET*



Enrolment Number *027139*

Branch number (if applicable)

(The enrolment number is essential information)



This certificate is not valid if the serial number has been defaced or altered

HM/ 3187193

# MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with *British Standard 7671 - Requirements for Electrical Installations* by an Approved Contractor or Conforming Body enrolled with the National Inspection Council for Electrical Installation Contracting, Vintage House, 37 Albert Embankment, London SE1 7UJ.

See reverse of this page for explanatory notes relating to NICEIC software endorsement

To be used only for minor electrical work which does not include the provision of a new circuit

## PART 1: DETAILS OF THE MINOR WORKS

Details of departures, if any, from BS 7671: 2001 (as amended):

Client: *WINDSOR RD. RESIDENTS ASS. LTD.*

Date minor works completed: *25/6/08* Contract reference, if any: *-*

Description of the minor works:

*Replace 1 no metalclad double socket (with integral RCD protection) in bin store of block of flats nos 9-13.*

Location/address of the minor works:

*Broughton Grange,  
Windsor Road,  
Swindon.*

## PART 2: DETAILS OF THE MODIFIED CIRCUIT

|   |   |                |                  |                                    |              |  |
|---|---|----------------|------------------|------------------------------------|--------------|--|
| System type and earthing arrangements:                  | TN-C-S  | ✓              | TN-S             | TT                                 | TN-C         | IT   |
| Method of protection against indirect contact:          | <i>EEBAD / ADS</i>                              |                |                  |                                    |              |  |
| Overcurrent protective device for the modified circuit: | BS(EN)  | <i>3036</i>    | Type             | Rating                             | <i>15</i>    | A  |
| Residual current device (if applicable):                | BS(EN)  | <i>7288</i>    | Type             | $I_{\Delta n}$                     | <i>30</i>    | mA   |
| Details of wiring system used to modify the circuit:    | Type  | <i>PVC/PVC</i> | Reference method | 3                                  | csa of lives | <i>2.5 mm<sup>2</sup></i> csa of cpc <i>1.5 mm<sup>2</sup></i> |
| Where protection against indirect contact is EEBAD:     | Maximum disconnection time permitted by BS 7671 | <i>0.4</i>     | s                | Maximum $Z_s$ permitted by BS 7671 | <i>2.67</i>  | $\Omega$   |
| Comments, if any, on existing installation:             |   |                |                  |                                    |              |  |

## PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS

† Essential inspections and tests

|   |                 |                            |   |             |          |
|---|-----------------|----------------------------|---|-------------|----------|
| † Confirmation that necessary inspections have been undertaken  | ✓               | (✓)                        | † Confirmation of the adequacy of earthing              | ✓           | (✓)      |
| † Circuit resistance: $R_1 + R_2$ $\Omega$ or $R_2$ $\Omega$  |                 |                            | † Confirmation of the adequacy of equipotential bonding | ✓           | (✓)      |
| Insulation resistance: (* In a multi-phase circuit, record the lower or lowest value, as appropriate) | Phase/Phase*    | M $\Omega$                 | † Confirmation of correct polarity                      | ✓           | (✓)      |
|   | Phase/Neutral*  | <i>&gt; 200</i> M $\Omega$ | † Maximum measured earth fault loop impedance, $Z_s$    | <i>0.39</i> | $\Omega$ |
|   | † Phase/Earth*  | <i>∞</i> M $\Omega$        | † RCD operating time at $I_{\Delta n}$ (if RCD fitted)  | <i>53</i>   | ms       |
|   | † Neutral/Earth | <i>∞</i> M $\Omega$        | RCD operating time at $5I_{\Delta n}$ , if applicable   | <i>27</i>   | ms       |

Agreed limitations, if any, on the inspection and testing:

## PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671:2001, amended on the date shown\* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671:2001 except as detailed in Part 1 of this certificate.

\* 2004

Name (CAPITALS) *M.S. ALEXANDER*

Signature *M. Alexander*

Position *Proprietor*

Date *10/6/08*

For and on behalf of (Trading Title of Approved Contractor)

*Alexander Electrical Services,*

Address and Postcode

*1 Falmouth Grove  
Swindon  
SN3 1ET*

Enrolment Number *027139*

Branch number (if applicable)

(The enrolment number is essential information)



This certificate is not valid if the serial number has been defaced or altered

HM/ 3187194

# MINOR ELECTRICAL INSTALLATION WORKS CERTIFICATE

Issued in accordance with *British Standard 7671 - Requirements for Electrical Installations* by an Approved Contractor or Conforming Body enrolled with the National Inspection Council for Electrical Installation Contracting, Vintage House, 37 Albert Embankment, London SE1 7UJ.

See reverse of this page for explanatory notes relating to NICEIC software endorsement

To be used only for minor electrical work which does not include the provision of a new circuit

## PART 1: DETAILS OF THE MINOR WORKS

Details of departures, if any, from BS 7671: 2001 (as amended):

Client: *WINDSOR RD. RESIDENTS ASS. LTD.*

Date minor works completed: *25/6/08* Contract reference, if any: *-*

Description of the minor works:

Location/address of the minor works:

*Replace 1 no. metalclad double socket (with integral RCO protection) in bin store of block of flats 26-31*

*Broughton Grange,  
Windsor Road,  
Swindon*

## PART 2: DETAILS OF THE MODIFIED CIRCUIT

System type and earthing arrangements: TN-C-S  TN-S TT TN-C IT

Method of protection against indirect contact:

Overcurrent protective device for the modified circuit: BS(EN) *1361* Type Rating *15* A

Residual current device (if applicable): BS(EN) *7288* Type  $I_{\Delta n}$  *30* mA

Details of wiring system used to modify the circuit: Type *Pvc/Pvc* Reference method *3* csa of lives *2.5* mm<sup>2</sup> csa of cpc *1.5* mm<sup>2</sup>

Where protection against indirect contact is EEBAD: Maximum disconnection time permitted by BS 7671 *0.4* s Maximum  $Z_s$  permitted by BS 7671 *3.43*  $\Omega$

Comments, if any, on existing installation:

## PART 3: INSPECTION AND TESTING OF THE MODIFIED CIRCUIT AND RELATED PARTS † Essential inspections and tests

|  |   |
|--|---|
| † Confirmation that necessary inspections have been undertaken <input checked="" type="checkbox"/> (✓) | † Confirmation of the adequacy of earthing <input checked="" type="checkbox"/> (✓)              |
| † Circuit resistance: $R_1 + R_2$ $\Omega$ or $R_2$ $\Omega$   | † Confirmation of the adequacy of equipotential bonding <input checked="" type="checkbox"/> (✓) |
| Insulation resistance: (* In a multi-phase circuit, record the lower or lowest value, as appropriate)  | † Confirmation of correct polarity <input checked="" type="checkbox"/> (✓)                      |
| Phase/Phase* M $\Omega$  | † Maximum measured earth fault loop impedance, $Z_s$ <i>0.36</i> $\Omega$                       |
| Phase/Neutral* <i>&gt; 200</i> M $\Omega$  | † RCD operating time at $I_{\Delta n}$ (if RCD fitted) <i>46</i> ms                             |
| † Phase/Earth* " M $\Omega$  | RCD operating time at $5I_{\Delta n}$ , if applicable <i>24</i> ms                              |
| † Neutral/Earth " M $\Omega$   |   |

Agreed limitations, if any, on the inspection and testing:

## PART 4: DECLARATION

I/We certify that the minor electrical installation works, as detailed in Part 1 of this certificate, does not impair the safety of the existing installation, that the said works have been designed, constructed, inspected, tested and verified in accordance with BS 7671:2001, amended on the date shown\* and that, to the best of my/our knowledge and belief, at the time of my/our inspection, the works complied with BS 7671:2001 except as detailed in Part 1 of this certificate. \* *2004.*

Name (CAPITALS) *M. S. ALEXANDER*

For and on behalf of (Trading Title of Approved Contractor)

*Alexander Electrical Services*

Signature *M. S. Alexander*

Address and Postcode

*1 Falmouth Grove,  
Swindon*

Position *Proprietor*

*SN43 1EJ*

Date *10/07/08*

Enrolment Number *027139*

Branch number (if applicable)

(The enrolment number is essential information)