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<td>Streetlight Contactor Box Layout &amp; Wiring Details</td>
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<td>Luminaire Control Gear Box Layout &amp; Wiring Details</td>
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**LIGHTING**

**CONTROL WIRING INDEX - ENERGEX ONLY**

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</table>
NOTES:
1. Minimum size of wiring as stated, single core multistranded single insulated with min temperature rating of 75°C.
2. Overall dimensions of Box are nominal only - standard production units preferred. Gear Tray to be securely fixed to box.
3. Terminal blocks thus shown 'X' must be colour coded or labelled.
4. This is an optional requirement.

PART | DESCRIPTION | S.C. | QTY
--- | --- | --- | ---
250 | Mounting Rail, TH35 7.5 | 11173 | AR
252 | CB SP 240V 15/16A 6kA | 15885 | 1
205 | Contactor 3P 415V 50/32A | 05376 | 1
187 | 6mm² 7/1.01 PVC Cable G/Yellow | 08345 | AR
'X' | Terminal Block 35mm² Max. Cable | - | 8
10 | Relay, Audio Frequency | 13300 | 1
60 | Terminal Lug, W/- M6 Hole | 06248 | 1
- | S/S Earth Stud Min. Size M4 | - | 1

Approved Ergon
C. Noel 24/04/13

Approved Energex
F. Zaini 24/04/13

Checked
P. Relf / A. Bletchly 04/04/13

Drawn
L. Burton / T. Borg 14/10/10

ZELLENGER STREETLIGHT RELAY BOX

MANUFACTURE: In accordance with drawing unless otherwise specified.
RATING: Box to suit maximum size of control gear configuration (i.e. largest)
TOLERANCE: ±2.0mm unless otherwise specified
MATERIAL: Box - Pressed or Cast Aluminium (Note 2)
FABRICATION:
(a) Standard production box preferred. Note 2.
(b) All sharp edges and burrs to be removed.
(c) Lid to be hinged on L/H Side when viewed from front.

PROTECTIVE COAT: Hot Dip Galvanised in accordance with AS 1650

MARKING: As shown.

STOCK CODE: 05399
NOTES:

1. Minimum size of wiring as stated, single core multistranded single insulated with min temperature rating of 75°C.
2. Overall dimensions of Box are nominal only - standard production units preferred. Gear Tray to be securely fixed to box.
3. Terminal blocks thus shown "X" must be colour coded or labelled.
4. Additional Din Rail mounted MCB's may be used on the load side in place of terminals if required (Q.T.).
5. For Non PE Cell application use shorting plug (SC 15325).
6. This is an optional item.

1-13-4-1

STOCK CODE: 14776

MANUFACTURE:

In accordance with drawing unless otherwise specified.

RATING:

Box to suit maximum size of control gear configuration (i.e. largest)

TOLERANCE:

±2.0mm unless otherwise specified

MATERIAL:

Box - Pressed or Cast Aluminium (Note 2)
Cow Box - Aluminium or Steel (Flat Sheet)

FABRICATION:

(a) Standard production box preferred. Note 2.
(b) All sharp edges and burrs to be removed.
(c) Lid to be hinged on L/H Side when viewed from front.

PROTECTIVE COAT:

Steel Gear Tray - Electro Galvanised or similar

MARKING:

SL supply & Month/Year Manufacture eg. 9/96

LIGHTING

CONTROL WIRING - ENERGEX ONLY

STREETLIGHT CONTACTOR BOX

LAYOUT & WIRING DETAILS

Part Description

<table>
<thead>
<tr>
<th>PART</th>
<th>DESCRIPTION</th>
<th>S.C.</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>250</td>
<td>Mounting Rail, TH35 7.5</td>
<td>11173</td>
<td>AR</td>
</tr>
<tr>
<td>252</td>
<td>CB SP 240V 15/16A &amp;KA</td>
<td>15085</td>
<td>1</td>
</tr>
<tr>
<td>213</td>
<td>Cast or Pressed Aluminium Box</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>205</td>
<td>Contactor 3P 415V 50/32A</td>
<td>05376</td>
<td>1</td>
</tr>
<tr>
<td>187</td>
<td>8mm² 7/1.01 PVC Cable G/Yellow</td>
<td>08345</td>
<td>AR</td>
</tr>
<tr>
<td>'X'</td>
<td>Terminal Block 35mm² Max. Cable</td>
<td>-</td>
<td>8</td>
</tr>
<tr>
<td>18</td>
<td>NEMA Base</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>60</td>
<td>Terminal Lug, W- M6 Hole</td>
<td>06248</td>
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- S/S Earth Stud Min. Size M4 | - | 1   |

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EE DRWG NO: 1-13-4-1
EEQ DRWG NO: B0000-13-4-1

1  13  4-1  0A
CONTROL GEAR BOX

Note: Hole position offset towards lid by approximately 5mm to ensure clearance of PE Cell.

NOTES:
1. Minimum size of wiring to be 1.5mm single core multistranded single insulated with min temperature rating of 105°C.
2. MCB to be 15/16A 6kA.
In accordance with drawing unless otherwise specified.

Rated to suit maximum size of control gear configuration (i.e. largest).

Tolerance: ±2.0mm unless otherwise specified.

Material:

Steel Gear Tray - Electro Galvanised or similar

NEMA Base

Surface Mounted

Preferred

Hinge Side

Clip Side

Identification Min 40mm

High Black Lettering

Identification Min 40mm

High Black Lettering

20mm clearance hole fitted with weatherproof plug

S/L Supply & Month/Year of Manufacture eg 9/96

16432

2 x 25mm clearance holes fitted with weatherproof plug

S/L Supply & Month/Year of Manufacture eg 9/96

16432

Mounting Strap or Lug (refer note 4)

Ø22

Note 1

To Luminaire

Earth Stud

Terminal Block

Bridging Link

Low Carbon Steel Plate

10mm Min Thick. Welded with 3mm filled on all sides

Hole Ø25 to be ground smooth

Hole Ø90 to be ground smooth

6 - Ø9 holes

Hole Ø50 to be ground smooth

Tolerances: All dimensions to be ±0.5

NOTES:

1. Minimum size of wiring to be 1.5mm single core multistranded single insulated with min temperature rating of 105°C.

2. Overall dimensions of box are nominal only. Standard production units are preferred. Equipment tray to be securely fixed to box.

3. Terminal blocks thus shown must be colour coded or labelled.

4. Mounting strap or lug is optional as mounting is effected via 6 x Ø9 holes.

5. Where a U/G pit is adjacent to a joint use pole an alternative connection using a junction box can be used. Refer Construction Manual Section 4.