

INSTALLATION GUIDE

MAIN DETAILS

Location

As per the supplied Construction Issue drawings

Note: care should be taken to ensure ease of accessibility and suitability of installation location

Mounting

Option 1: via 4 “keyholes” on LCM corners.

Option 2: via Z-brackets in slots on the rear of the LCM.

Note: ensure screws are not too tight and if countersunk screws are used, ensure a larger washer is incorporated to prevent damage to the LCM casing.

Wiring

Diagram

A wiring diagram is located on the reverse of this sheet for your reference.

To remove the blue cover simply rotate the casing screws through 90 degrees.

Mains Supply

Mains Supply should be wired to the LEN connector on the PCB; maximum of one 4mm² cable or two 2.5mm² cables.

Simple Switch Input

There are 8 x Switch Inputs on each LCM marked 1-8 and 2 x Common inputs marked ‘C’.

Wired using CAT 5 or similar. 2 x switch inputs required for centre retractive switches.

Network

Belden-8719 recommended for linking network (i.e. between LCM’s and Area Controllers).

The Belden cable screens/foil should be cut back and joined.

Two Network connection terminals for in and out.

Ensure network polarity is retained–e.g. “A” white core and “B” black core.

Network to be wired as a radial not a ring.

The final (end-of-line) LCM will only require one network cable connection.

Note: Our Lighting Controls Engineer will need to terminate the network at this point.

Note: Ensure all LCM locations (including which is the end-of-line LCM) are noted on the drawings to aid commissioning and serviceability.

PRODUCT TYPE: Lighting Control Module

FOR DATASHEETS:

Please visit our website

www.lightingcontrols.ltd.uk



Sensors & Scene Plates

3 x RJ12 connections per LCM (protruding from the blue cover).

Connect Presence Detectors and Scene Set Plates via RJ12 leads (various pre-made lengths available).

Presence Detectors and Scene Set Plates can be easily daisy-chained with a maximum of 10 in total per LCM.

Luminaire Sockets

10 x labelled Luminaire 6-way Plug Connections on the front of the LCM.

Ports 1 to 5 are for dimming only and Ports 6 to 10 are for dimming and Switch Lives, **dependant on the type of LCM.**

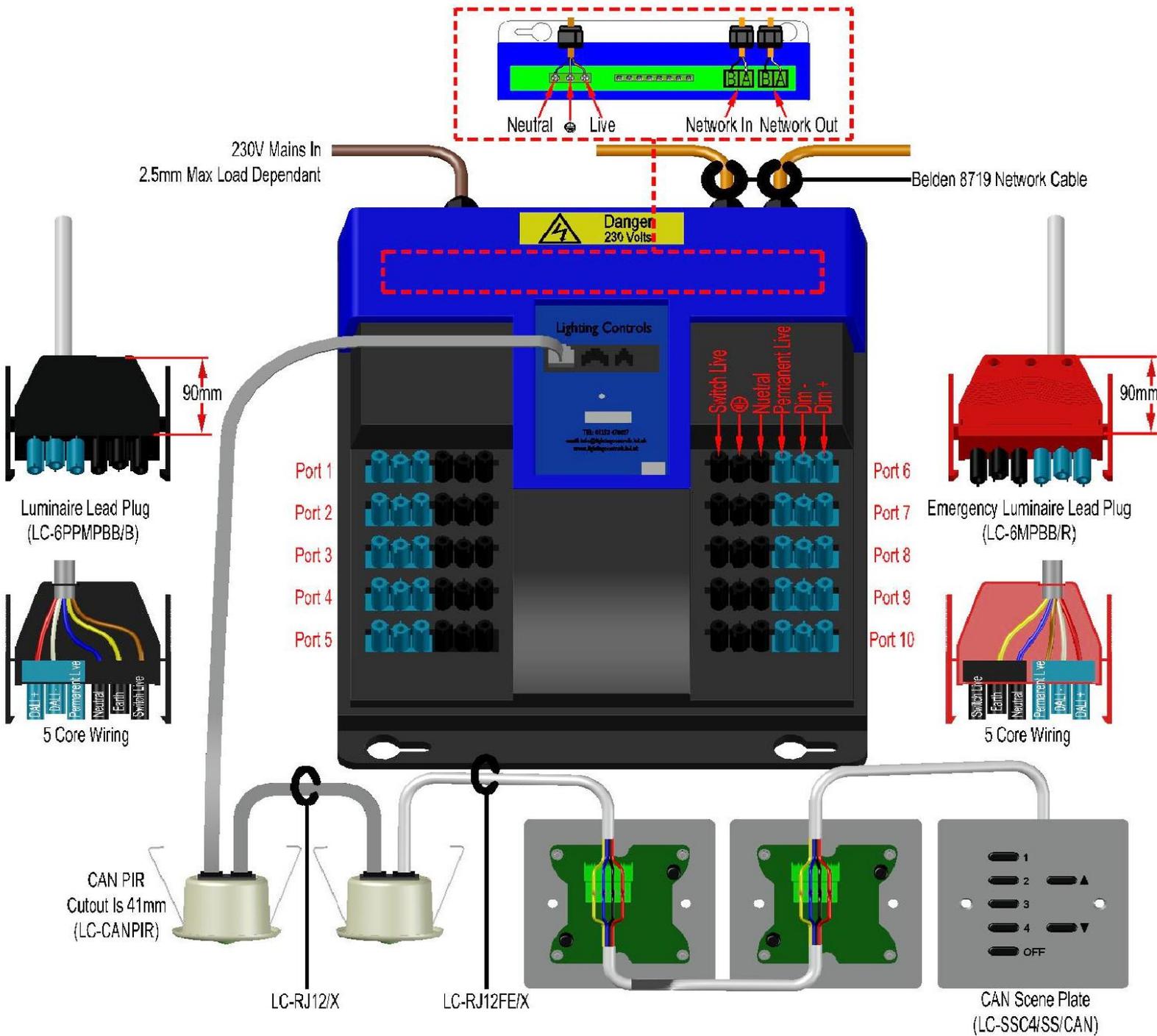
Emergency Luminaires can use the Permanent Live from any port.

LCM’s must be ported as per supplied drawing to ensure efficient commissioning.

Luminaire Plugs are double-latched and specific to Lighting Controls Ltd.

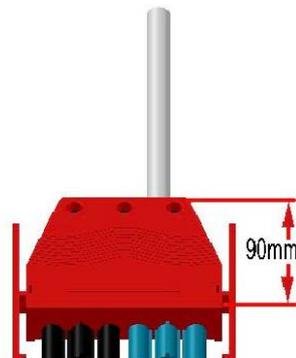
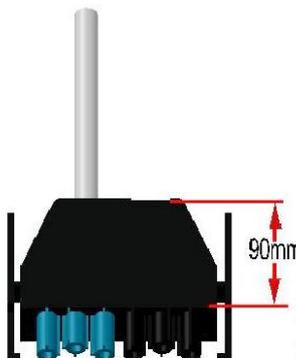
Note: The plugs need to be “Pushed Home” and latched securely to ensure proper connection is made (lights may appear powered, but not have necessary dimming communication to the LCM).

INSTALLATION GUIDE



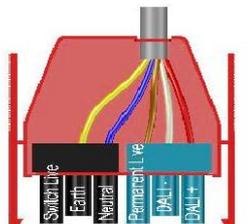
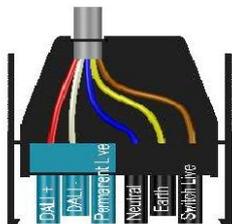
230V Mains In
2.5mm Max Load Dependant

Belden 8719 Network Cable



Luminaire Lead Plug (LC-6PPMPBB/B)

Emergency Luminaire Lead Plug (LC-6MPBB/R)



Port 1
Port 2
Port 3
Port 4
Port 5

Port 6
Port 7
Port 8
Port 9
Port 10

CAN PIR
Cutout Is 41mm
(LC-CANPIR)

LC-RJ12/X

LC-RJ12FE/X

CAN Scene Plate
(LC-SSC4/SS/CAN)

