

PRODUCT DATA AND INSTALLATION SHEET

RAPID LIGHTING CONTROL MODULE EBR-LCM10-10, EBR-LCM10-10D, EBR-LCM10-10DSI



DESCRIPTION AND OPERATION

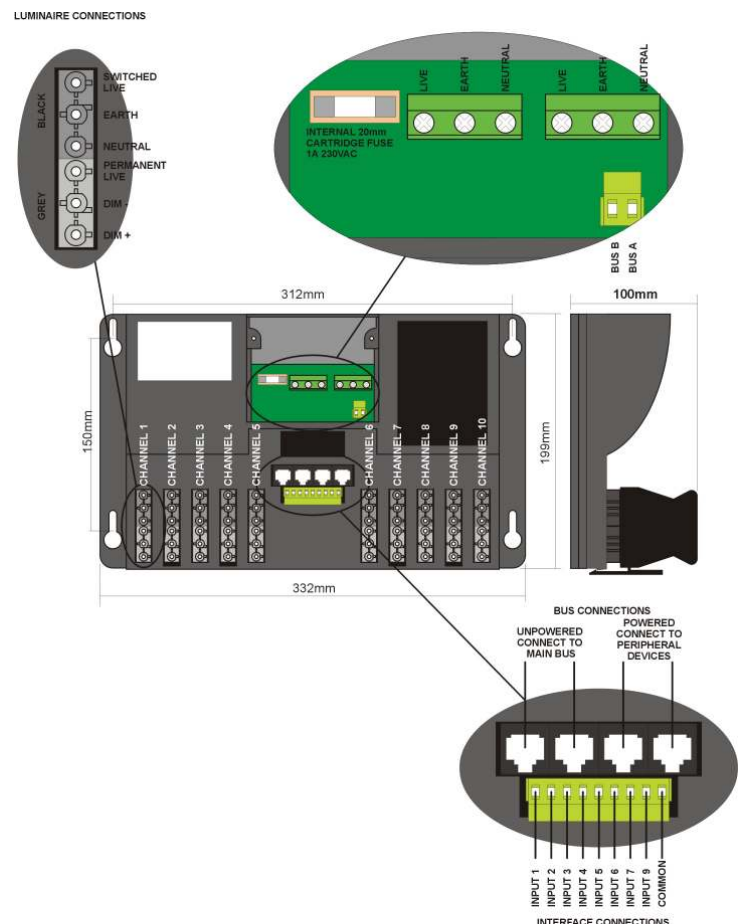
The EBR-LCM10-10 series of lighting control modules (LCMs) are used as part of the Rapid lighting control system to switch lighting. They have ten individually addressable output ports for switching, and on the D and DSI models these also provide dimming signals for dimmable luminaires. A separate relay is used for emergency testing. Incorporated on the box is an eight channel interface for connection to external devices such as light switches, emergency test switches and time clocks. Four ports on the front enable the LCM to be connected to the main Rapid bus and to peripherals such as presence detectors and bus repeaters. The LCM offers many features including:

- Individual addressing of outputs
- Adjustable off delays and group delays
- Adjustable start up lighting levels
- Scene control for each channel
- Bus and activity LEDs
- IR or computer front end setup

INSTALLATION AND WIRING

Warning. This device works at mains potential. Be sure to take care when working with electricity.

- Install the LCM in the position indicated on the main CP Automated Lighting installation drawings.
- The box should be fixed on a smooth, flat surface or using drop rod fixings. Optional track fixings can be used.
- **Ensure that there is easy access to the wiring compartment and all connectors once the box is in-situ.**
- **Ensure that the programming window is accessible and visible**
- For hard-wired installations, wire the box using the diagram opposite. Connect permanent Live, Earth and Neutral connections to the terminals in the wiring compartment. There is an extra set of terminals to loop through the wiring; these do not have to be used.
- Hard-wired bus: connect to bus terminals in wiring compartment using a suitable twisted pair cable.
- CAT5 bus: plug bus cabling into either of the un-powered bus connectors.
- For structured cabling installations, Plug the structured cabling harness into the modular T connected to the LCM.
- Plug in the luminaires ensuring that the connector latches to the box (pre-wired luminaire leads are available, please contact our sales office).
- Connect peripheral Rapid devices (e.g. presence detectors, repeaters) using RJ45 connections and a suitable CAT5 cable.
- Where specified on the installation drawings, connect switches to the interface connections between the input and common. Switches must be isolated.



COMMISSIONING

To bring the lights on prior to commissioning, do one of the following:

- Power the boxes up without a bus controller or area controller connected. After about 15 minutes all channels will energise.
- From the user menu of the programming handset, select *override on Y*, send this to each individual box. Note that if the power is reset, this action will need to be performed again.

Commissioning will normally be performed by our trained commissioning engineers. Please note that prior to commissioning, it is the responsibility of the installing contractor to ensure the following:


- The boxes must be connected and installed as described overleaf
- Mains power must be available
- Luminaires must be plugged in
- Bus connection must be established and checked

The LCM can be set up using our infrared programming handset or computer front end. For programming details see the separate programming document.

SPECIFICATION

LOAD

10 Amp total per box
Per channel:
6 Amp fluorescent and incandescent lighting
3 Amp compact fluorescent lighting
3 Amp low energy lighting
3 Amp low voltage lighting (switch primary of transformer)
3 Amp fans and ventilation equipment
Switch SON lighting loads via a contactor
Dimming units: 10 ballasts per channel

SUPPLY VOLTAGE 220-240 Volts AC 50 Hz
TERMINAL CAPACITY 4.0mm²
MATERIAL Flame retardant nylon and ABS
TYPE Class 2
TEMPERATURE -10 °C to 35 °C
CONFORMITY EMC-89/336/EEC 
LVD-73/23/EEC

PART NUMBERS

EBR-LCM10-10	Rapid 10 channel LCM
EBR-LCM10-10D	Rapid 10 channel LCM 1-10V dimming
EBR-LCM10-10DSI	Rapid 10 channel LCM DSI dimming
EBR-LCDHS	Programming handset
EBR-C6	6 way luminaire connector

IMPORTANT NOTICE!

This device should be installed by a qualified electrician in accordance with the latest edition of the IEE wiring regulations where applicable. All devices are supplied pre-programmed and identified with a unique reference number. The device must be installed in the position shown on the site installation drawings where the identification number is shown.

Due to our policy of continual product improvement Cableplan reserves the right to alter the specification of this product without prior notice.

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