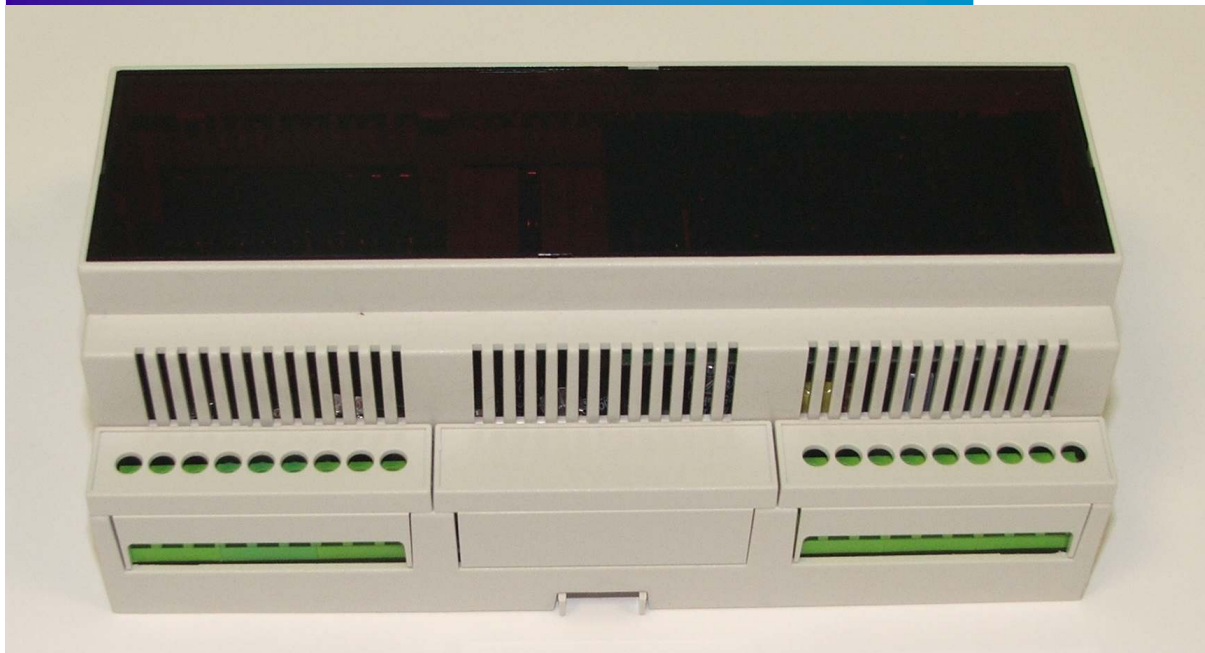


PRODUCT DATA AND INSTALLATION SHEET



RAPID LIGHTING CONTROL MODULE EBR-DIN-LCM5-5, EBR-DIN-LCM5-5 (/D, /DSI, /DALI)



DESCRIPTION AND OPERATION

The EBR-DIN-LCM5-5 series of lighting control modules (LCMs) are used as part of the Rapid lighting control system to switch lighting. They have five individually addressable output ports for switching, and on the D, DSI and DALI 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. 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

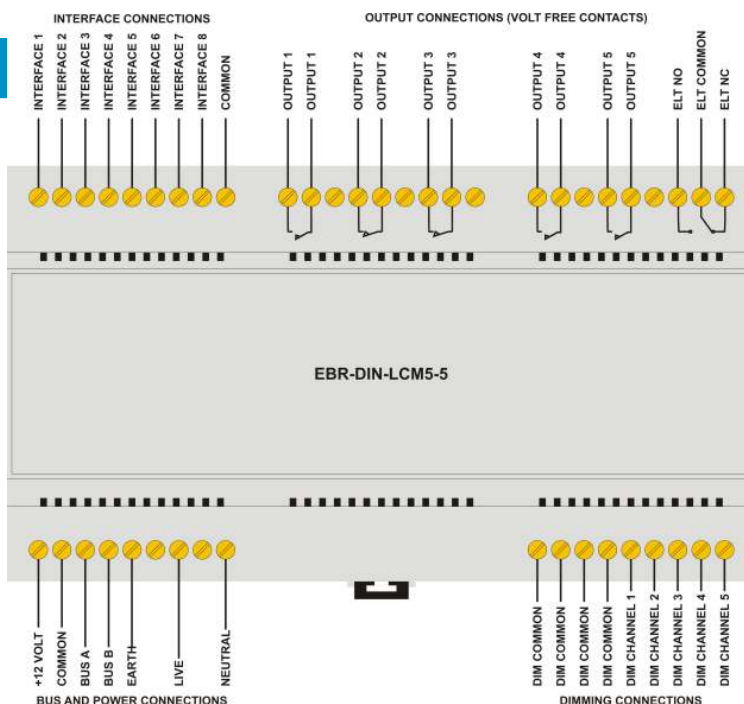
INSTALLATION AND WIRING

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

- Install the module in a suitable housing. This unit is compatible with standard DIN rail enclosures
- Wire as in the diagram opposite. Two types of output are provided:
 - Switched output x 5
 - Emergency lighting test output
- The switched output are voltage free and can be used across multiple circuits

WARNING—ENSURE CIRCUITS ARE ON THE SAME PHASE

- Where multiple emergency lighting circuits are used, a multi-pole contactor should be connected to the emergency lighting test terminals to provide isolated outputs.
- 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 units must be connected and installed as described overleaf
- Mains power must be available
- Luminaires must be connected
- 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

Switched output:

10A lighting load per channel

Switch SON lighting loads via a contactor

Dimming units: 10 ballasts per channel

Note: max. 10m run to dimming ballast from controller


SUPPLY VOLTAGE 220-240 Volts AC 50 Hz

TERMINAL CAPACITY 1.5mm²

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-DIN-LCM5-5 Rapid 5 channel din rail LCM

EBR-DIN-LCM5-5/D Rapid 5 channel din rail LCM 1-10V dimming output

EBR-DIN-LCM5-5/DSI Rapid 5 channel din rail LCM DSI dimming output

EBR-DIN-LCM5-5/DALI Rapid 5 channel din rail LCM DALI dimming output



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 CP Electronics reserves the right to alter the specification of this product without prior notice.

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The logo for the Energy Systems Trade Association (ESTA) features three horizontal red lines above the word 'ESTA' in a large, bold, black font. Below 'ESTA' is the text 'energy systems trade association' in a smaller, black font.