

RAPiD
series 3

RAPiD Lighting Control Module (LCM)

The latest generation of RAPiD Lighting Control Module (LCM) has new and innovative features to benefit the specifier, installer and client alike.

The standard RAPiD LCM has 8 individually addressable outputs to allow for fully independent control of DALI/DSI or switching only fittings. Its modular design allows you to specify for CatA, and is expandable for CatB by using a 4 output plug in module, providing an extra 4 outputs. In turn this reduces the cost to fit out stage.

Installation and Connectivity

The system is designed for ease of installation with mains and field bus wiring being connected using the spacious wiring compartment. There are 4 M6 keyways for fixing to the slab in the ceiling void or channel nut fixings for rod suspension or fixing to cable basket. Control inputs are via 6 hardwired SELV connections in the wiring compartment or via 2 RJ45 inputs and 1 RJ45 input offering 7 inputs and 1 common that are hardwired. An excellent application for the single RJ45 input would be for several groups of fittings to be switched from a multi-gang switch connected to either 1 or several LCMs or for connection of a scene setting plate.

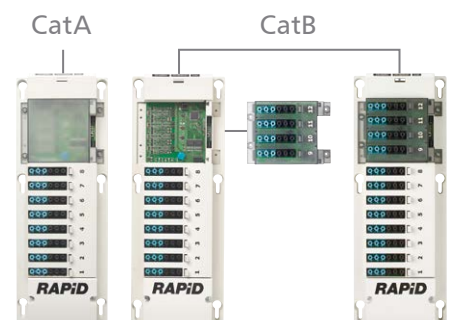
Protocol Flexibility

The plug in module is available in a number of formats and allows the designer and installer to mitigate the cost of allowing for future expansion on the fit out stage. The module can incorporate a different dimming protocol from the main LCM and also volt free contacts for switching fixed output loads like fan coil units. This is ideal for fit out scenarios where cellular offices are added creating the requirement for additional outputs for luminaires. The ability to have a different dimming protocol from the main LCM is also useful where, during the fit out, LED lighting may have been installed which is 1-10v and where an existing LCM is either DALI or DSI. The 4 outputs are also individually addressable allowing for maximum flexibility.

Key features

- 8 individually addressable channels
- Plug in expansion module (4 additional outputs)
- Options to mix dimming protocols
- 6 SELV inputs
- Manufactured in flame retardant material
- Works with our patented Energy Measurement Technology
- 5 year warranty
- Manufactured in the UK.

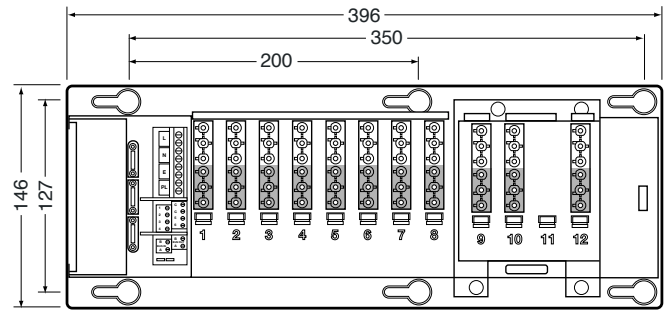
Modular Mechanics



RAPiD series 3's modular design adapts easily to the demands of an installation and can be fine tuned to suit specific client needs.

Patented Energy Measurement Technology

Exclusive to the next generation of RAPID products, our patented Energy Measurement technology allows for actual energy usage data to be obtained for any device on the system, from individual luminaires, to building wide. All the reportable information is logged in a database and available for viewing via a web based reporting suite. The raw data is also available in XML format so that the user can utilise a third party tool for analysis.



Fixing points M6 (1/4")

Height:

EBR-LCM8-8AD and EBR-LCM8-8DD only –

Allow 150mm for total height of unit (including detectors and cables).

All other LCMs with plug-in modules –

Allow 170mm for total height of unit (including connectors).

Technical Specification

Electrical data

Weight	0.97Kg
Supply Voltage	220–240VAC +/- 10%
Frequency	50Hz
Relay rating	Switched live 10A Switched permanent live 6A Volt free output (VFC) 6A (EBR-LCM10-10AD and EBR-LCM10-10DD only)
Terminal Capacity	Mains - 4mm ² in wiring compartment Switched inputs and CAN - 2.5mm ² in wiring compartment
Load per LCM	10A
Load per Channel	6A fluorescent and incandescent lighting 3A compact fluorescent lighting 3A low energy lighting 3A low voltage lighting (switch primary of transformer) 3A fans and ventilation equipment Switch SON lighting loads via a contactor
Dimming	Maximum 22 per LCM Any number per channel subject to maximum LCM Cable lengths for dimming outputs: 100m using 0.5mm ² wire 150m using 1.00mm ² wire 300m using 1.5mm ² wire

Environmental data

Temperature range	-10°C to 35°C
Humidity	5 to 95% non-condensing
Material (casing)	Flame retardant ABS and PC/ABS

Classifications

Insulation	Class II
Purpose	Operating control
Construction	Independently mounted control for surface mounting
Type of action	Type 1.B action micro disconnection
Software class	Class A
Pollution	Degree 2

Compliance

Compliance	EMC-2004/108/EC LVD-2006/95/EC
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Order Codes

RAPID LCM	EBR-LCM8-8DD	RAPID 8 channel LCM DALI / DSI dimming
	EBR-LCM8-8AD	RAPID 8 channel LCM 1-10V dimming
	EBR-LCM8-8DD-EG	RAPID 8 channel LCM DALI / DSI dimming + energy measurement
	EBR-LCM8-8AD-EG	RAPID 8 channel LCM 1-10V dimming + energy measurement
RAPID LCM + Module	EBR-LCM10-10DD	RAPID 10 channel LCM DALI / DSI dimming + 1 x VFC output
	EBR-LCM10-10AD	RAPID 10 channel LCM 1-10V dimming + 1 x VFC output
	EBR-LCM10-10DD-EG	RAPID 10 channel LCM DALI / DSI dimming + 1 x VFC output + energy measurement
	EBR-LCM10-10AD-EG	RAPID 10 channel LCM 1-10V dimming + 1 x VFC output + energy measurement
	EBR-LCM12-12DD	RAPID 12 channel LCM DALI / DSI dimming
	EBR-LCM12-12AD	RAPID 12 channel LCM 1-10V dimming
Modules	EBR-LCM12-12DD-EG	RAPID 12 channel LCM DALI / DSI dimming + energy measurement
	EBR-LCM12-12AD-EG	RAPID 12 channel LCM 1-10V dimming + energy measurement
	EBR-MOD2-2DD	2 channel DALI / DSI + 1 x VFC output plug-in module
	EBR-MOD4-4DD	4 channel DALI / DSI plug-in module
Accessories	EBR-MOD2-2AD	2 channel 1-10V + 1 x VFC output plug-in module
	EBR-MOD4-4AD	4 channel 1-10V plug-in module
	UNLCDHS	Professional Commissioning Handset
	EBR-BT	Bus Terminator
	EBR-BT	Bus Repeater



UNLCDHS



IMPORTANT NOTICE:

This device should be installed by a qualified electrician in accordance with the latest edition of the IEE Wiring Regulations and the applicable Building Regulations.

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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