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.

**Technical Specification**

### 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

- **EMC**: EMC-2004/108/EC
- **LVD**: LVD-2006/95/EC

### Electrical data

- **Weight**: 0.97Kg
- **Supply Voltage**: 220–240VAC +/- 10%
- **Frequency**: 50Hz
- **Relay rating**: Switched live 10A
- **Terminal Capacity**: Mains - 4mm² 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
- **Dimming**: Maximum 22 per LCM

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

**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).

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