

# RAPID

Fully addressable lighting control system



**CP Electronics**  
A brand of **legrand**

# Welcome to CP Electronics

Leaders in energy saving controls for commercial, public sector and domestic environments



## **RAPiD** Fully Addressable Lighting Control System

**RAPiD is fully addressable and networkable, combining state-of-the-art technology and modular mechanics, with an easy to use graphical interface. It meets the most demanding lighting control and energy management applications, without the cost and complexity of other systems.**

### Key Features:

#### Networking

RAPiD can be configured to control rooms, floors or an entire multi-floor building. RAPiD control modules are networked together on each floor, whilst multi-floor systems are linked together using RAPiD Area Controllers.

Where a building operates an open BMS system such as BACnet, we can interface using our gateway.

#### Adaptable

RAPiD provides a fully addressable scalable system, which can be re-configured to changing requirements.

#### Remote Monitoring & Configuration

RAPiD can be interfaced with a PC and our front end software, which allows you to monitor and reconfigure any part of the lighting system. An event calendar schedules lighting control events such as, cleaning, re-lamping and emergency testing of lights.

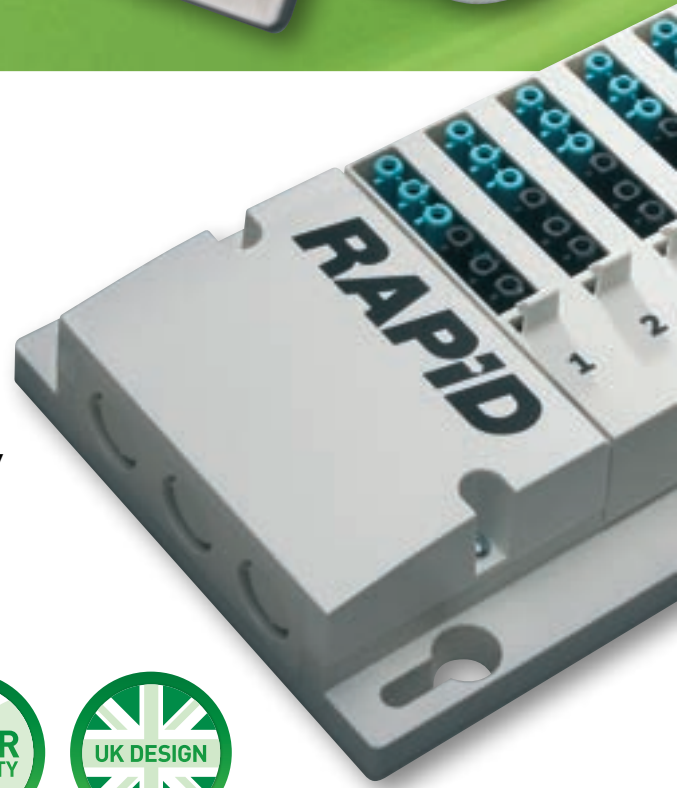
Our proprietary software, in conjunction with DALI EMPRO ballasts, allows remote monitoring and testing of emergency light fittings (optional).

#### Notional Corridors

RAPiD enables the system administrator to create notional corridors of light, keeping working staff safe and secure whilst providing significant energy savings.

#### Scene Setting & Recall

RAPiD allows the user to create and recall desired lighting levels. Switching between scenes (e.g. meeting room) is easy and convenient with a scene control panel.



#### Graduated Daylight Linking

In conjunction with RAPiD dimming detectors, the system can reduce the light output of luminaires gradually (e.g. adjacent to windows) to darker areas (away from windows) to save the maximum amount of energy in a room, whilst allowing user comfort.

**For a full list of features and benefits, available customised wiring options and structured wiring solutions, please call our sales department for more details on +44 (0)333 900 0671.**

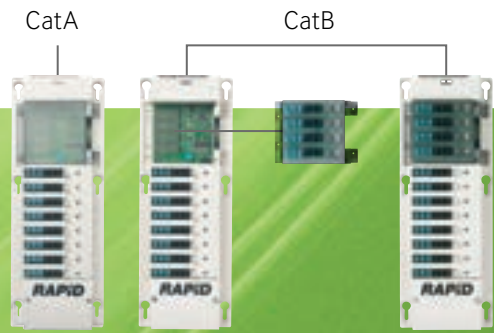
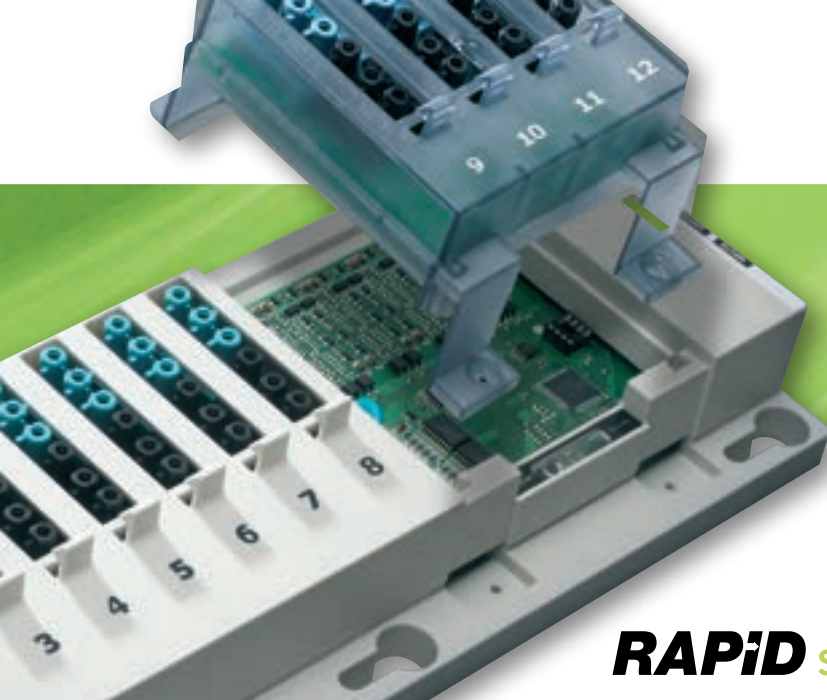
#### Energy Efficiency in Buildings

This product forms part of a wide range of devices to enable Energy Efficiency in Buildings – A structured and holistic approach to reducing the carbon footprint and increasing sustainability of businesses.



Find out more [www.cpelectronics.co.uk/efficiency](http://www.cpelectronics.co.uk/efficiency)





### Modular Mechanics

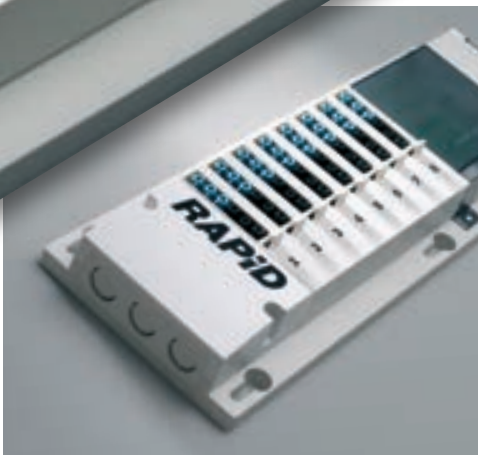
RAPiD's modular design adapts easily to the demands of an installation and can be fine tuned to suit specific client needs.

## RAPiD System Highlights

### RAPiD Lighting Control Module (LCM)

The latest RAPiD LCM has new and innovative features to benefit the specifier, installer and client alike.

- Modular design – specify for CatA; expandable for CatB: standard 8 outputs can be extended to provide an extra 4 outputs with a plug in module
- Reduced installation cost for CatA
- Reduced expansion cost for CatB stage
- Mixed dimming and volt-free output options.



### Area Controller

The Area Controller allows all RAPiD lighting control modules on a floor to communicate with one another, as well as allowing communication between floors and/or a computer front end package.

- 3 RAPiD Bus networks
- Ethernet port – TCP/IP connectivity
- Time scheduled events
- Numerical keypad, with pass lock and 3 access levels
- Modular enclosure options available.



### Front End Software

The RAPiD graphical interface is designed to provide the user flexible control and monitoring of the lighting from a PC.

- Reconfigure and/or monitor the status of control devices
- Reconfigure lighting groups via PC
- Emergency monitoring – lamp error feedback.



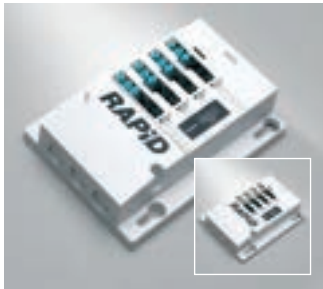
# System Overview



## 1 EBR-LCM10-10DD

### RAPID Lighting Control Module

- Expandable from 8 to 12 outputs
- Reduced installation cost for CatA
- Reduced expansion cost at CatB stage
- Mixed dimming and volt-free output options.



## 2 EBR-LCM3-1DD-B

### 3+1 channel LCM

- Three addressable individually dimmable outputs
- Additional switched output to control non-dimming devices
- Switching relay, ELT relay, Volt free output
- 11 SELV switch inputs
- DALI/DSI Broadcast.

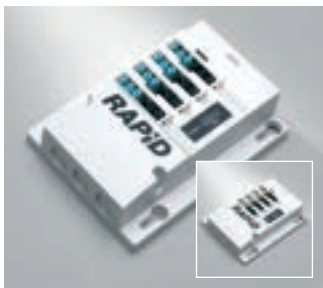


## 3 EBR-DIN-LCM6-6

### 6 or 12 Channel Hard Wired Lighting Control Module

- Individual addressing of outputs
- Adjustable off delays and group delays
- Adjustable start up lighting levels
- Scene control for each channel.

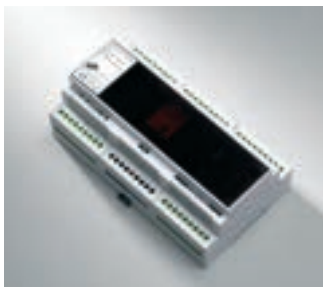
## 4 Single Channel Module available



## 5 EBR-LCM-DALIG64-B

### Pluggable DALIG64 Lighting Control Module

- Up to 64 DALI addresses
- 11 ELV switch inputs
- IR handset and PC programmable
- Switching relay, ELT relay, Volt-free output
- Compatible with DALI emergency monitoring.



## 6 EBR-DIN-DALIG64

### Hardwired DALIG64 Module

- Up to 64 DALI addresses
- 8 ELV switch inputs
- 3 voltage free relay outputs
- Compatible with DALI emergency monitoring.



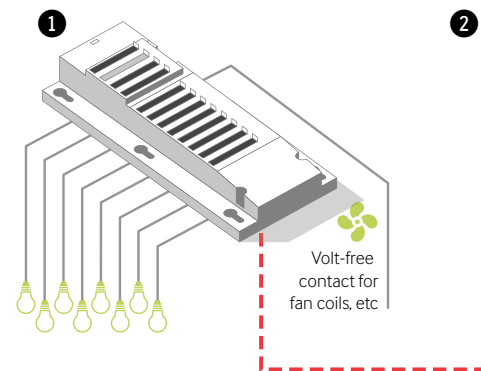
## 7 EBR-MOD-DALIG

### Compact In-Line DALI Gateway Module

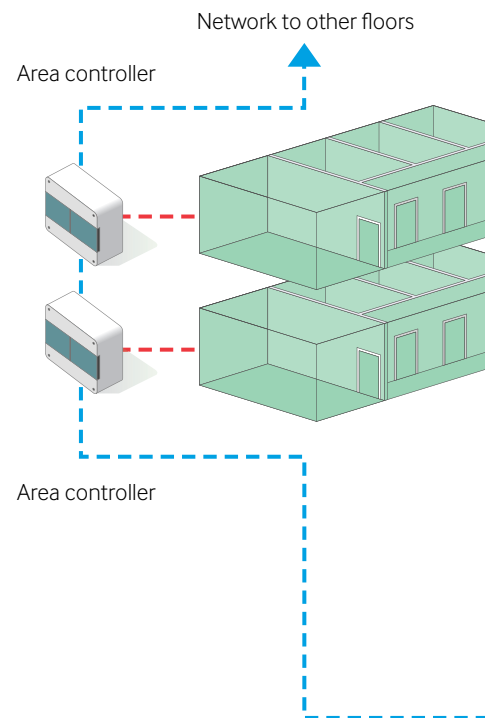
- 10 individually addressable channels
- Control and fault feedback indication per channel
- Auto re-addressing of failed ballasts
- Power for up to 4 peripherals (PIR, Switch)
- Compatible with DALI emergency monitoring.

# RAPiD

Switched, DALI/DSI broadcast or analogue pluggable 8 channel module with 2-4 output module



## Area Controller Module



The RAPID system of fully networkable devices can now interconnect with all levels of energy management in building spaces, measuring and reducing energy consumption.

Feature packed, from front end monitoring to testing of emergency luminaires, it is also implemented by our in-house team of engineers or through our accredited CP system partners.

## Switching/Dimming Devices

### Switched, DSI/DALI Broadcast or Analogue

### DALI Addressable

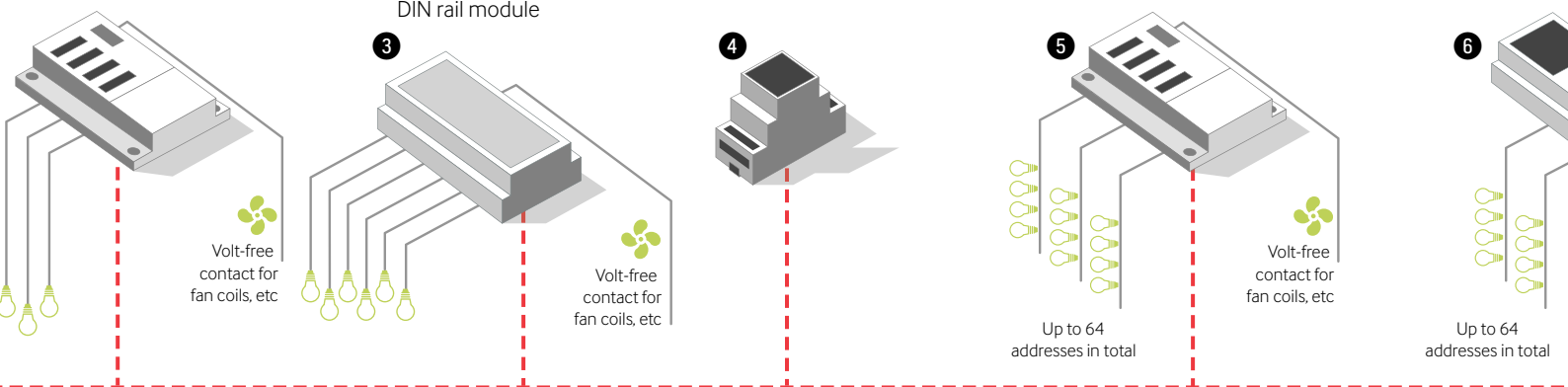
Broadcast DALI/DSI, switching 3 channel pluggable module

Switched, DALI/DSI broadcast or analogue 6 or 12 channel DIN rail module

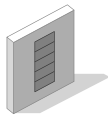
Switched single channel DIN rail module

Switched and DALI pluggable module

Switched and DALI Din rail module LCM, LMS



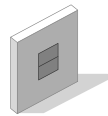
es



Scene plate



User handset



Switch interface



RAPID APP/ Tablet

### User Interfaces



Mini PIR



PIR



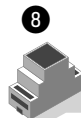
Microwave

11

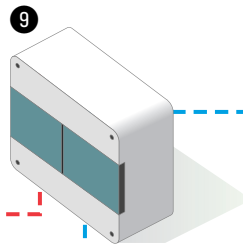
### Presence Det



An-10 wireless gateway module



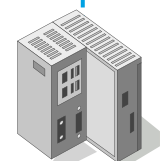
RS232



Area Controller

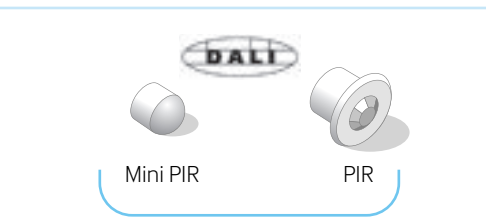
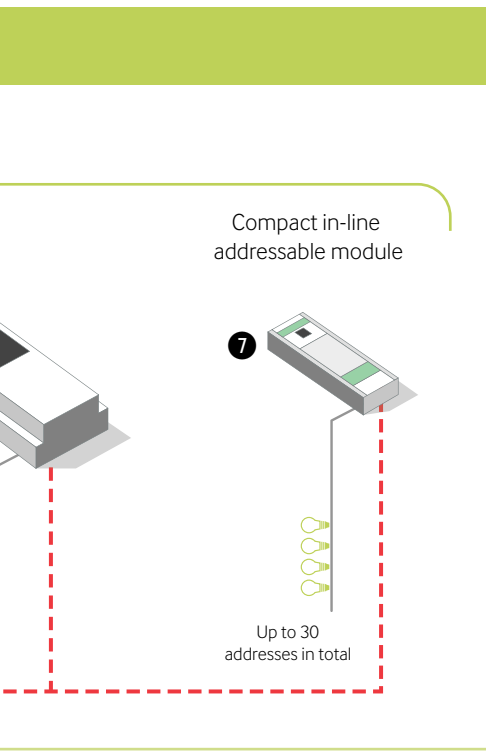
12 Front end reporting Energy measurement & emergency monitoring

Open systems gateway

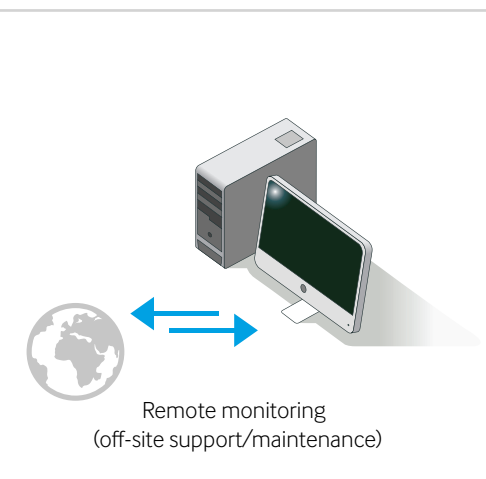


BACNET

### Reporting and Monit



## ectors



## oring Options

### 8 AR-DN-RS232

#### RS232 Module

- 2 way gateway to third party system
- Communication interface for AV systems
- Communication via third party system protocol
- IR or PC programmable (dongle required).



### 9 Area Controller

- 3 RAPID Bus networks
- Ethernet port – TCP/IP connectivity
- Time scheduled events
- Numerical keypad, with pass lock and 3 access levels
- Modular enclosure options available.



### 10 RAPID APP/Tablet

- Single and multi-room scene setting
- From configurable room scene plates and handsets to cloud-based tablet control.



### 11 Presence Detection

- Passive Infra Red (PIR)
- Microwave
- Mini PIR
- DALI addressable PIRs.



### 12 EBR-CFE

#### Front End PC

- Reconfigure and/or monitor the status of control devices
- Reconfigure lighting groups via PC
- Emergency monitoring – lamp error feedback
- Remote monitoring.





# Our Service Philosophy



## Identifying Customer Needs

CP Electronics is a world leader in helping organisations to achieve their energy consumption objectives.

- We benefit from over 40 years in the design and manufacture of cutting-edge energy saving controls for heating, lighting and ventilation.
- We recognise the individual needs of businesses; how energy control has to work within their overall objectives.

## Project Development

Our product depth and quality enable us to develop solutions in commercial, public sector and domestic environments of all sizes.

- Moreover our Sales Engineers are expert at working closely with you to achieve effective and efficient results.



## Delivery of Solution

Attention to detail and quality has made CP Electronics a name to trust.

- Exceptional reliability has even enabled us to provide a 5 year warranty as standard, on all our products.
- Benefit from UK design and manufacture, with efficient dispatch and timely delivery to site.

## Implementation & Support

CP Electronics offer an unrivalled level of technical support to our customers during specification, installation, commissioning and maintenance. You will benefit from:

- Experienced engineers with a broad knowledge of specifier, contractor and client requirements.
- Telephone and on-site support as necessary.
- Downloadable product user guides and Tech-Reel Videos [www.cpelectronics.co.uk/product-guides](http://www.cpelectronics.co.uk/product-guides).

# Training, Maintenance & Commissioning



## Training

Our fully structured training includes:

- Experienced trainers with advanced product knowledge.
- Training sessions tailored to suit all levels.
- Training available at CP Electronics London Head Quarters or off-site.
- Ongoing training and support for the future.

## Commissioning

Our team of trained commissioning engineers will help you optimise the performance of your RAPID system, maximising potential energy savings.

- On completion, we will provide the all-important Commissioning Certificate for your project handover.
- Our commissioning service includes a 12 month return-to-site warranty, plus 5 year return-to-factory policy.
- We can also provide additional post commissioning support.

## Maintenance Contracts

To protect your investment and give you peace of mind, it makes sense to schedule regular maintenance.

- CP Electronics' experienced engineers work proactively with you to ensure that your lighting control solution operates efficiently and reliably around the clock.
- Our pre-agreed maintenance packages help you to plan annual costs within agreed budgets, reducing ad-hoc call outs.

CP Electronics offer a wide selection of standard and bespoke maintenance packages to suit your needs.

For more information please see

[www.cpelectronics.co.uk/support-services](http://www.cpelectronics.co.uk/support-services).





# CPD Seminars



**Certified by the Construction CPD Certification Service, CP Electronics offer in-depth focused lighting control CPD courses.**

## Key Features

- Our dedicated team share their industry experience so you gain a competitive edge.
- Enables your business to adapt positively to changes in your industry.
- Availability at CP London headquarters or in your offices across the UK.
- Our CPD seminars count towards an individual's CPD requirement and follow best practice guidelines.

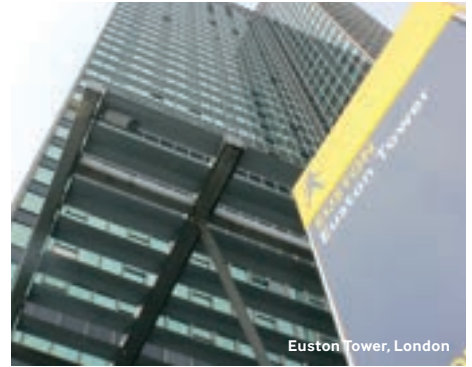
## Sample CPD courses

- **An overview of Lighting Control Design and Applications.**
- **An overview of Fully Addressable Lighting Control Design and Applications.**
- **DALI and Applications.**
- **A specifier's guide to lighting control products.**
- **Solutions for Energy Efficiency in Buildings - Efficient Energy Distribution; Management & Data Centres.**

For more information please see  
[www.cpelectronics.co.uk/cpd-seminars](http://www.cpelectronics.co.uk/cpd-seminars)

# Delivering projects together

A selection of recent projects that are benefiting from our RAPID lighting control system.



See more projects on our website [www.cpelectronics.co.uk/projects](http://www.cpelectronics.co.uk/projects)



**CP Electronics**  
A brand of **legrand**

Brent Crescent,  
London NW10 7XR, UK

+44 (0)333 900 0671  
info@cpelectronics.co.uk  
www.cpelectronics.co.uk

connect with us  
    

Designs and specifications are subject to change without notice.