

OEM Lighting Controls

Products and Solutions



CP Electronics

A brand of **legrand**

Improving Efficiency Through Controls Excellence

CP Electronics helps companies reduce their operating costs and carbon footprint through cost effective lighting, heating and ventilation control systems. Our drive to bring high quality, innovative products to market has led to:

- An extensive range of patents.
- A large international client base.
- An exceptional reputation for reliability in this highly specialised field.

CP Electronics continues to demonstrate an unrivalled commitment to quality and innovation:

- We have a dedicated R&D team, refining and innovating our products.
- The majority of our products are manufactured in the UK using high quality materials, cutting edge production techniques and a highly skilled workforce.

When you look closer at Legrand, you'll see there's more than you realised. Manufacturing in the UK since 1980, five manufacturing sites create mechanical, electrical, electronic and digital solutions. Around 80% of UK sales come from products manufactured in the UK.



Maintaining Your Brand's Bright Reputation

As a leader in energy-saving lighting controls for over 50 years, CP Electronics has many long-established partnerships with lighting manufacturers around the world. Maintaining the highest standards of service and client liaison, we created CP Electronics' OEM team – to offer a specialist solution to OEM clients.

Collaborative Relationships

We work closely with lighting manufacturers, meeting their needs for design, technical collaboration and production standards. Our OEM team takes your company's brand reputation as seriously as we do our own; our reputation for quality speaks for itself.





Our OEM Service

Each working partnership is unique – but here's a typical working process:

- **Consultation:** We begin the process by understanding your requirements. We'll appoint a dedicated expert from our OEM team to give you a single point of contact.
- **Scoping:** We'll consider mounting heights, ambient temperatures, water ingress protection, timescales and budgets when scoping the project.
- **Recommendation:** After a thorough analysis of your requirements we'll make our recommendations, as well as providing lead times and projected costs .
- **Testing:** We test the solution to ensure it meets all your requirements and performs to CP Electronics' performance standards.

Design Innovation

CP Electronics invest heavily in the research and development (R&D) of new cutting-edge products and technologies.







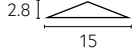
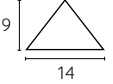






Our R&D team include some of the brightest and most experienced engineers in the industry.

Our ethos has always been to innovate new ways for our customers to save money and minimise environmental impact without sacrificing functionality or aesthetic. These underpinning values are complemented by a constant drive towards simplicity. We create products with the user in mind.

Our internal designers and technical services engineers work closely with you to ensure the product performs to your requirements. Our expertise extends from mechanical design of form factors, through to software for simple set-up and electronic design.

OEM Lighting Controls Selection Chart

Follow the selection chart to determine the products you require.

	Commercial			
	MWSINT	EBDSPIR	EBDMR	EBMHS
				
Max Height (m)	2.4	2.8	2.8	9
Detection Range (m) Maximum range shown, see website for full detection ranges				
PRM - Switching via relay	MWSINT-PRM	EBDSPIR-PRM	EBDMR-PRM	EBMHS-PRM
DD - Digital dimming via DALI broadcast	MWSINT-DD	EBDSPIR-DD	EBDMR-DD	EBMHS-DD
 SR - Sensor ready (SR), PIR presence detectors. DALI broadcast, suitable for use with DALI bus powering drivers.				EBMHS-SR
 DNET - The DNET1 product family allows a systems integrator to add PIR detectors to their proprietary, addressable two-wire network.		EBDSPIR-DNET1	EBDMR-DNET1	EBMHS-DNET1
 CASAMBI - Detectors enabled with Casambi Bluetooth Wireless Technology.		EBDSPIR-CB-NN EBDSPIR-CB-DD	EBDMR-CB-DD	
 KNX - Detectors suitable for use on a KNX network.		EBDSPIR-KNX		
 AN-10 - 868MHz RF wireless technology allows you to install a fully featured lighting control system easily and with minimal disruption.		EBDSPIR-AT-xx	EBDMR-AT-xx	
 LT30 - Lighting control products suitable for use in the cold storage and refrigeration sector down to -30°C.		EBDSPIR-xx-IP-LT30		

Other products including EBMPiR, MWS3, MWS5, MWS6 and Vitesse Modular are available, please speak to your OEM Area Sales Manager. Contact your OEM Area Sales Manager for support in product recommendation.

Commercial/Industrial						
FDP-301SR-L2	EBMHS-IP	EBMPIR-MB	FDP-301SR-L7	EBDHS-B01	EBDHS	EBDHS-MB
						
4.6	9	9	12	20	20	20
						
	EBMHS-IP-PRM	EBMPIR-MB-PRM		EBDHS-B01-PRM	EBDHS-PRM	EBDHS-MB-PRM
	EBMHS-IP-DD	EBMPIR-MB-DD		EBDHS-B01-DD	EBDHS-DD	EBDHS-MB-DD
FDP-301SR-L2	EBMHS-IP-SR	EBMPIR-MB-SR	FDP-301SR-L7		EBDHS-SR	EBDHS-MB-SR
	EBMHS-IP-DNET1	EBMPIR-MB-DNET1			EBDHS-DNET1	EBDHS-MB-DNET1
				EBDHS-B-CB-DD		EBDHS-MB-CB-DD
					EBDHS-KNX	
					EBDHS-AT-xx	EBDHS-MB-AT-xx
FDP-301SR-L2	EBMHS-IP-xx-LT30	EBMPIR-MB-xx-LT30	FDP-301SR-L7		EBDHS-xx-LT30	EBDHS-MB-xx-LT30

xx denotes either PRM or DD

Sensor Ready (SR)

Sensor Ready is CP Electronics' range of DALI powered detectors suitable for the Philips SR range of LED drivers. A simple two wire connection from the detector directly to the DALI connections on the driver means your luminaire can be controlled directly by our detector without any additional wiring or intermediate power supplies.

All of our SR range of detectors come equipped with our latest V3 software which provides advanced light measurement and detection functionality. In combination with the ease of programming provided by our new UNLCDHS handset OEM menu, CP Electronics' SR range of detectors are a quick and easy lighting controls solution for luminaire manufacturers.

For example, by providing just one 32mm cut-out in your luminaire you could mount either our EBMHS-IP-SR or EBDHS-B32-SR-MP detectors giving a solution suitable for mounting heights from 2.4m up to 16m.

Want to use a different D4i driver? Please speak to your OEM Area Sales Manager (see next page for more details). Want to use a standard DALI driver? You can still use our SR range of products. Simply add in the DA-SL-PSU in-line DALI power supply (pictured).



EBDHS-B32-SR-MP



EBMHS-IP-SR



DA-SL-PSU

Effortless Wireless Technology

Casambi Batten Mount is now Available

Belonging to the EBDHS family of standalone presence detectors the EBDHS-B-MB-CB-DD is the Casambi enabled version of the standalone mount batten detector currently offered within our range. Designed to be mounted at one end of a high bay luminaire, it's perfectly compatible with any Casambi-enabled product.



CASAMBI

UNLCDHS OEM Handset

Professional Commissioning LCD Programming Handset

The firmware of the UNLCDHS has been updated with OEMs in mind to allow a better process flow when configuring standalone V3 detectors both in the factory and on site.

The menus are now divided into the following type of activities:

Setup - For setting up parameters which are not dependent on ambient light levels. This menu can be used both in the factory for precommissioning or on site and includes parameters such as: Timeout, Secondary Stepped dim level and duration and Off Value.

On Site Setup - Here the desired maintained lux levels or switching levels can be set up easily either by creating the correct level in the area (by commissioning at a suitable time of day, opening blinds or dimming controlled lights). Alternatively, a lux meter reading can be uploaded to the detector so it can calibrate itself to achieve the desired lux levels already set via the setup menu.

Switch Control - This section groups together all the functions needed if a wall switch is connected or the user is given an IR override controller (UHS7). V3 products include an 'Absence recovery' feature which allows a short time window to detect movement after the timeout period to switch the lights back on again – without having to press the wall switch, this time period can also be adjusted.

Troubleshooting - Here the product variant and its firmware build can be read back as well as the status of the relay and the output level of the dimming channel. Sensitivity levels can be adjusted if needed and a soft reset or factory reset can also be applied from this menu.



Our OEM Sales Team

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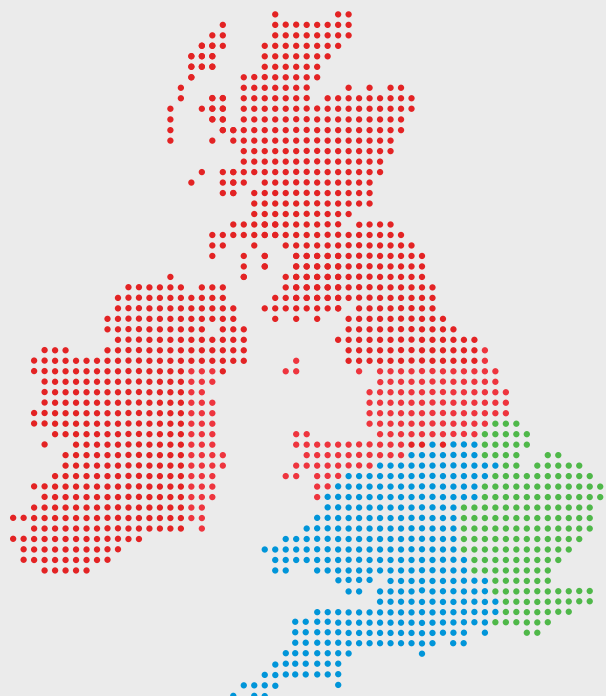
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Service

Our knowledgeable people are always here to help, ensuring we can provide solutions and deliver ongoing support. Our dedicated network of engineers gives us the capability to offer a complete service throughout a project's entirety, from initial consultation to final sign off.



Knowledge

Established for over 50 years and part of the Legrand Group, CP Electronics' loyal team utilises industry expertise to build and maintain long term professional relationships. Our experts provide sector specific solutions and deliver projects to the highest standard.



Competence

With an experienced team we have developed a vast customer base, meaning CP Electronics has the capability to meet your unique requirements. Our investment in research and development, further supported by that of Legrand, ensures our ability to strengthen our product offering and innovate as the industry moves forward.



Value

We pride ourselves on our products being tried, tested and dependable, providing a five year warranty on all of our product ranges. With ease of installation being a key feature in our offering, time and cost savings are made by reducing the amount of time needed on site.

Energy Efficiency in Buildings

These products form 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.



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