Standalone Presence Detectors
Exceptional lighting control solutions
CP Electronics offer building-wide control.

Our wide range of presence detectors are designed to reduce the amount of time lighting or HVAC equipment is left on unnecessarily – for example if an area is unoccupied or if there is sufficient natural light.

Controlling lighting with a presence detector can save up to 60% of lighting energy usage dependent on occupancy behaviour and the amount of natural light available. Selected PIR and microwave presence detectors can also be used to control heating and ventilation.

In our range you are sure to find a presence detector that will suit any space.

Infrared Handsets

- **UNLCDHS**: Professional programming/commissioning LCD handset
- **UHS5**: Compact programming/commissioning handset
- **UHS7**: Compact user handset

PIR Presence Detectors

- **EBDSPIR**: Compact, flush mounted detectors
- **EBDSM**: Compact, surface mounted detectors
- **EBDMR**: Mid range, flush mounted detectors
- **EBMHS**: Miniature, flush/surface mounted detectors
- **EBMPIR-MB**: Miniature, retrofit, luminaire mounted detectors
- **EBMINT**: Miniature, retrofit, luminaire mounted detectors
- **EBDRC**: Long range, adjustable head, flush mounted detectors
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</table>
Infrared Handsets

Our range of infrared (IR) handsets have been designed to allow simple configuration, programming and maximum user convenience.

There’s a handset to suit every user, whether it’s the commissioning engineer configuring hundreds of detectors, a contractor setting up two or three, or a user who simply wishes to override a setting or switch between pre-programmed scenes.

UNLCDHS – Professional commissioning LCD programming handset
- The UNLCDHS is used for the operation, configuration and programming of CP products that have the ability to be programmed via IR. These include the PRM, DD, AD, Vitesse Plus, RAPID, D-Mate and An-10 ranges.
- Infrared range up to 20m.

UHSS – Commissioning handset
- The UHSS is a compact infrared handset used for the basic programming of IR enabled CP products
- Infrared range up to 7m.

UHS7 – User handset
- User handset for simple scene setting, on & off, raise & lower
- Infrared range up to 7m.
**EBDSPIR | Compact, flush mounted detectors**

This compact ceiling mounted PIR presence detector provides automatic control of lighting, heating and ventilation loads.

- Low profile design
- Self contained unit
- Pluggable
- Programme time delay and lux settings via infrared handset (excluding Basic variant).
- Available in a wide range of RAL colours
- 5 year warranty.

### Available control methods

- B – Basic switching
- PRM – Switching
- DD – DALI/DSI dimming
- AD – Analogue dimming
- KNX – See page 22

### Special order variants

- LT30 – Low temperature
- LV – Low voltage
- VFC – Voltage free contact
- 2CH – 2 channel

Additional variants available – please see our website.

### Detection pattern

- **Dimensions (mm)**

Visit [www.cpelectronics.co.uk](http://www.cpelectronics.co.uk) for more information.
PIR Presence Detectors

EBDSM | Compact, surface mounted detectors

This series of surface mounted PIR presence/absence detectors is perfect for simple attachment when flush mounting is not possible.

- Self contained unit
- Easy to install via back plate
- Programme time delay and lux settings via infrared handset
- IP40 (no gasket); IP54 when fitted with gasket
- 5 year warranty.

Available control methods

- PRM – Switching
- DD – DALI/DSI dimming
- AD – Analogue dimming

Detection pattern

Dimensions (mm)

Please see pages 26-29 for order codes
Our series of compact flush mounted PIR presence/absence detectors with high performance faceted lens is suitable for use in open spaces or where a larger detection range is required.

- Mid range lens with concentric lens facets for improved detection
- Ideal for open spaces
- Programme time delay and lux settings via infrared handset
- IP40 rated
- Available in a wide range of RAL colours
- 5 year warranty.

**Available control methods**

- PRM – Switching
- DD – DALI/DSI dimming
- AD – Analogue dimming

**Special order variants**

- LV – Low voltage

Additional variants available to special order – please see our website.

**Dimensions (mm)**

- 76
- 12
- 65
PIR Presence Detectors

EBMHS | Miniature, flush/surface mounted detectors

This small, unobtrusive, but highly capable PIR presence/absence detector is supplied pre-wired and with a connector that snap-fits into the power supply unit (PSU) for ease of installation.

- Small and unobtrusive design
- High sensitivity head for increased detection range
- Programme time delay and lux settings via infrared handset
- Supplied pre-wired with an RJ11 plug for connection into the power supply
- Supplied with a flush mounting ring for easy fitting into the ceiling.
- Available with standard or slim line PSU
- 5 year warranty.

Available control methods

- PRM – Switching
- DD – DALI/DSI dimming
- AD – Analogue dimming

Special order variants

- LV – Low voltage

Detection pattern

Dimensions (mm)

Please see pages 26-29 for order codes
EBMIR-MB | Miniature, retrofit, luminaire mounted detectors

The EBMIR-MB series of batten mount PIR presence detectors have been designed specifically for mounting on to a batten style luminaire.

- Batten mount retrofit solution
- Integrated power supply
- Suitable for a wide range of luminaires
- Pre wired with 1m cable
- Programme time delay and lux settings via infrared handset
- IP65 rated for wet and damp environments
- For mounting at heights up to 7m
- 5 year warranty.

Available control methods
- PRM – Switching
- DD – DALI/DSI dimming
- AD – Analogue dimming

Special order variants
- LT30 – Low temperature
- LV – Low voltage (110V)

Detection pattern

Dimensions (mm)

Visit www.cpelectronics.co.uk for more information.
**EBMINT | Miniature, retrofit, luminaire mounted detectors**

This patented series of miniature PIR presence detectors is designed to be retrofitted to luminaires quickly and effectively.

- Sensitive movement detection up to 7m
- Fixings for T5, T8 battens and louvre reflectors
- Easy to install – no specialist tools required
- Programme time delay and lux settings via infrared handset
- Integrated power supply
- 5 year warranty.

**Available control methods**

- PRM – Switching
- DD – DALI/DSI dimming
- AD – Analogue dimming

**Dimensions (mm)**
The EBDRC series of PIR presence/absence detectors contains an adjustable head, and is fitted with a curtain lens for long range detection. Our directional PIR is suitable for mounting in aisleway and corridor applications where a long narrow detection pattern is required.

- Adjustable head
- Curtain lens for longer detection range
- Programme time delay and lux settings via infrared handset
- IP40 rated
- Ideal for corridor applications
- 5 year warranty.

**Available control methods**

- PRM – Switching
- DD – DALI/DSI dimming
- AD – Analogue dimming

**Special order variants**

Additional variants available to special order – please see our website.

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**Detection pattern**

Sensitivity set to maximum
Detector head position set to 90°

**Dimensions (mm)**

- 92 mm (width)
- 95 mm (height)
- 150 mm (depth)
The EBDHS PIR presence/absence detector is developed for lighting control in areas with demanding spaces and increased mounting heights.

- Ground breaking detection range
- For mounting at heights up to 20m depending on operating parameters
- Unique lens technology – high sensitivity
- Ideal for high level/high bay applications
- Programme time delay and lux settings via infrared handset
- Supplied with adjustable masking shields to tailor detection zones
- 5 year warranty.

**Available control methods**
- PRM – Switching
- DD – DALI/DSI dimming
- AD – Analogue dimming
- KNX – See page 22

**Special order variants**
- LT30 – Low temperature
- LV – Low voltage

**Detection pattern**

**Dimensions (mm)**
The EBDHS-MB luminaire mounted PIR presence detector series provides exceptionally sensitive and long range detection. Ideal for high bay lighting control in areas with demanding spaces and increased mounting heights.

- Ground breaking detection range
- For mounting at heights up to 20m depending on operating parameters
- Unique lens technology – high sensitivity
- Ideal for high level/high bay applications
- Programme time delay and lux settings via infrared handset
- Easy to retrofit to commercial luminaires and basic battens
- 5 year warranty.

**Available control methods**
- PRM – Switching
- DD – DALI/DSI dimming
- AD – Analogue dimming

**Special order variants**
- LT30 – Low temperature

**Dimensions (mm)**

**Detection pattern**
GESM-AC | Surface mounted controller for air conditioning

This AC unit simply ‘learns’ an AC unit’s infrared code, then controls its operation, based on occupancy. As it is surface mounted and battery powered, installation is simplified and disruption is reduced.

- Compatible with most infrared controlled AC units
- Battery operated
- Presence detection - auto on, auto off
- Adjust time delay settings via push buttons
- Lockable settings
- Sleep mode extends battery life
- 5 year warranty.

Detection pattern

Dimensions (mm)

90

46
Unlike fixed head microwave detectors, the MWS3A series of presence/absence detectors offers a unique adjustable head to suit the required detection pattern.

- Unique adjustable head design to achieve the required detection pattern
- Locking mechanism to prevent tampering
- Can be flush or surface mounted
- Programme time delay and lux settings via infrared handset
- IP40 rated
- 5 year warranty.

**Available control methods**
- PRM – Switching
- DD – DALI/DSI dimming
- AD – Analogue dimming
- KNX – See page 22

**Special order variants**
- LV – Low voltage
- VFC – Voltage free contact
- VFC NC – Voltage free contact normally closed
- 2CH – 2 channel
- 2CH-NC – 2 channel normally closed

**Detection pattern**

- Sensitivity set to maximum
  - Detector head position set to 0°
  - Detector head position set to 80°
  - Detector head position set to 40°

**Dimensions (mm)**

- 0 – 90°
  - 85
  - 92

Visit [www.cpelectronics.co.uk](http://www.cpelectronics.co.uk) for more information.
MWS5 | Compact, flush/surface mounted detectors

The MWS5 series of compact microwave presence/absence detectors has been specifically designed to be mounted within a luminaire. They are sensitive to movement and are ideal for large spaces that have an awkward shape.

- Can be flush or surface mounted
- Remote power supply allows head to be fitted in confined spaces
- Suitable for wall or ceiling mounted luminaires
- A selection of fixing clips to allow the unit to be mounted in or to the side of a luminaire is available
- Programme time delay and lux settings via infrared handset
- Standard and slimline power supply units also available
- 5 year warranty.

Available control methods

- PRM – Switching
- DD – DALI/DSI dimming
- AD – Analogue dimming

Detection pattern

Dimensions (mm)

For power supply unit dimensions, please refer to the product installation guide on our website.
The MWS6 is a low profile microwave presence/absence detector for the automatic control of lighting, heating and ventilation.

- Low profile design
- Self contained unit
- Pluggable
- IP40 rated
- Programme time delay and lux settings via infrared handset
- Available in a wide range of RAL colours
- 5 year warranty.

**Available control methods**
- PRM – Switching
- DD – DALI/DSI dimming
- AD – Analogue dimming
- KNX – See page 22

**Special order variants**
- LV – Low voltage
- VFC – Voltage free contact
- 2CH – 2 channel

Additional variants available to special order – please see our website.

**Detection pattern**

**Dimensions (mm)**

Visit [www.cpelectronics.co.uk](http://www.cpelectronics.co.uk) for more information.
The MWS6SM is a surface mounted mid-range microwave presence/absence detector for the automatic control of lighting, heating and ventilation.

- Surface mounted
- IP40 rated
- Programme time delay and lux settings via infrared handset
- Self contained unit
- Easy to install via a back plate
- 5 year warranty.

**Available control methods**

- PRM – Switching
- DD – DALI/DSI dimming
- AD – Analogue dimming

**Detection pattern**

**Dimensions** (mm)

Please see pages 26-29 for order codes
MWS1A | Low profile, back box mounted detectors

This discrete range of wall or ceiling mounted microwave presence detectors is designed to fit any single gang switch box.

- Presence detection
- Programme time delay and lux settings via infrared handset
- Suitable for heating and ventilation applications
- Compatible with European back boxes
- Fixing screw cap covers – smooth plate finish
- 5 year warranty.

Detection pattern

Available control methods
- PRM – Switching

Special order variants
- LV – Low voltage
- VFC – Voltage free contact

Dimensions (mm)
MWS1A-IP | Rugged, surface mounted detectors

This rugged range of wall or ceiling mounted presence microwave detectors are rated IP66 – suitable for use in damp environments.

- Unobtrusive design – vandal resistant
- Programme time delay and lux settings via infrared handset
- Built in lux level sensing – enhanced energy saving
- Low voltage and volt free options – suitable for BMS and other control applications
- 5 year warranty.

Available control methods
- PRM – Switching

Special order variants
- LV – Low voltage
- VFC – Volt free contact

Dimensions (mm)

Detection pattern
The ALC dimming photocell automatically adjusts the light output of luminaires depending on the amount of natural light available, to a maintained illuminance level.

- Flush or surface mounted
- Adjustable preset levels for more control
- Programme time delay and lux settings via infrared handset
- Dimming version available to provide a maintained level of illuminance
- 5 year warranty.

**Available control methods**

- DD – DALI/DSI dimming
- AD – Analogue dimming

**Dimensions (mm)**

![Dimensions Diagram]
Low Temperature Detectors

Following rigorous testing in climatic chambers and on-site, our Minus30 range of lighting controls is specifically designed for the cold storage and refrigeration sector, performing down to aggressive -30°C temperatures.

KNX Presence Detectors

CP Electronics brings its extensive functionality to KNX, the worldwide standard for unifying all communication between intelligent devices that light, heat and ventilate homes and buildings.

Key features:
- Presence detector, either PIR or microwave
- Absence detection
- Walk test LED
- Light level sensor
- Two ELV switch inputs
- User-configurable logic functions and timers.

Configuration of devices on the KNX bus takes place via the standard ETS software application, allowing all aspects of the presence detector’s behavior to be configured and controlled.
Presence and absence detection explained

**Presence Detection:** Detectors will switch on lighting automatically when a person enters the room, and switches off lighting automatically when no movement is detected.

**Absence Detection:** Upon entering the room the person switches on the light as normal, but on leaving the detector switches off the lighting automatically. Lights can also be switched off manually.

PIRs and microwave detectors compared

**PIR (Passive Infrared) Detection:** PIR detectors work on detecting the movement of body heat. They are better suited to smaller spaces or where a defined detection pattern is required.

**Microwave Detection:** Microwave Detectors are sensitive to objects that move, with much greater coverage and sensitivity. They can detect through glass, therefore careful consideration on location is needed in certain applications.
These presence detectors have built-in adjustable lux sensors which will keep the lighting switched off if there is sufficient natural light.

**Key features**
- Switching with lux level sensing (infrared handset adjustment)
- Active photocell
- Time delay function
- Presence detection switching.
- Absence detection switching
- Programmable via Infrared handset
- Adjustable detection sensitivity
- On/off override via optional Infrared handset
- Manual on/off override via switch input.
These presence detectors have built-in adjustable lux sensors which will keep the lighting switched off if there is sufficient natural light.

**Key features (in addition to PRM detectors)**

- Dimming functionality
- Two channel flexibility
- Step-down illuminance
- Maintained illuminance (daylight harvesting)
- Scene setting and recall
- Burn in feature for fluorescent tubes
- Control of DALI, DSI or 1–10V loads depending on product
- Integral relay to reduce parasitic power
- Suitable for all lighting types
- Manual dimming with infrared
- Manual dimming with switch inputs.

Visit [www.cpelectronics.co.uk](http://www.cpelectronics.co.uk) for a full list of product information.
Ceiling Mounted PIR Presence Detectors

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<td>EBDSPIR-VFC</td>
<td>Basic switching, compact, IP40, flush mounted, PIR, presence detector, volt free contact</td>
</tr>
<tr>
<td>EBDSPIR-L3</td>
<td>Basic switching, compact, IP40, flush mounted, PIR, presence detector, c/w 3m lead</td>
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<tr>
<td>EBDSPIR-IP</td>
<td>Basic switching, compact, IP55, flush mounted, PIR, presence detector</td>
</tr>
<tr>
<td>EBDSPIR-AD</td>
<td>1–10V analogue dimming, compact, IP40, flush mounted, PIR, presence/absence detector,</td>
</tr>
<tr>
<td>EBDSPIR-DD</td>
<td>DALI/DSI digital dimming, compact, IP40, flush mounted, PIR, presence/absence detector,</td>
</tr>
<tr>
<td>EBDSPIR-DD-LV</td>
<td>DALI/DSI digital dimming, compact, IP40, flush mounted, PIR, presence/absence detector, low voltage</td>
</tr>
<tr>
<td>EBDSPIR-PRM</td>
<td>PRM switching, compact, IP40, flush mounted, PIR, presence/absence detector</td>
</tr>
<tr>
<td>EBDSPIR-PRM-2CH</td>
<td>PRM switching, compact, IP40, flush mounted, PIR, presence/absence detector, 2-channel</td>
</tr>
<tr>
<td>EBDSPIR-PRM-2CH-NC</td>
<td>PRM switching, compact, IP40, flush mounted, PIR, presence/absence detector, normally closed fail-safe contacts, 2-channel</td>
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<tr>
<td>EBDSPIR-IP</td>
<td>PRM switching, compact, IP55, flush mounted, PIR, presence/absence detector</td>
</tr>
<tr>
<td>EBDSPIR-L3</td>
<td>PRM switching, compact, IP40, flush mounted, PIR, presence/absence detector, c/w 3m lead</td>
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<td>EBDSPIR-LV</td>
<td>PRM switching, compact, IP40, flush mounted, PIR, presence/absence detector, low voltage</td>
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<tr>
<td>EBDSPIR-PRM</td>
<td>PRM switching, compact, IP40, flush mounted, PIR, presence/absence detector, volt free contact</td>
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<tr>
<td>EBSDM-AD</td>
<td>1–10V analogue dimming, compact, IP54, surface mounted, PIR, presence/absence detector</td>
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<tr>
<td>EBSDM-DD</td>
<td>DALI/DSI digital dimming, compact, IP54, surface mounted, PIR, presence/absence detector</td>
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<tr>
<td>EBSDM-PRM</td>
<td>PRM switching, compact, IP54, surface mounted, PIR, presence/absence detector</td>
</tr>
<tr>
<td>EBMHS-AD-SA-C</td>
<td>1–10V analogue dimming, miniature, IP40, flush/surface mounted, PIR, presence/absence detector, c/w pre-wired PSU</td>
</tr>
<tr>
<td>EBMHS-DD-SA-C</td>
<td>DALI/DSI digital dimming, miniature, IP40, flush/surface mounted, PIR, presence/absence detector, c/w pre-wired PSU</td>
</tr>
<tr>
<td>EBMHS-PRM-SA-C</td>
<td>PRM switching, miniature, IP40, flush/surface mounted, PIR, presence/absence detector, c/w pre-wired PSU</td>
</tr>
<tr>
<td>EBMINT-AD</td>
<td>1–10V analogue dimming, miniature clip on, retrofit, IP40, luminaire mounted, PIR, presence detector</td>
</tr>
<tr>
<td>EBMINT-DD</td>
<td>DALI/DSI digital dimming, miniature clip on, retrofit, IP40, luminaire mounted, PIR, presence detector</td>
</tr>
<tr>
<td>EBMINT-PRM</td>
<td>PRM switching, miniature clip on, retrofit, IP40, luminaire mounted, PIR, presence detector</td>
</tr>
<tr>
<td>EBMPIR-MB-AD</td>
<td>1–10V analogue dimming, miniature, retrofit, IP65, luminaire mounted, PIR, presence detector</td>
</tr>
<tr>
<td>EBMPIR-MB-DD</td>
<td>DALI/DSI digital dimming, miniature, retrofit, IP65, luminaire mounted, PIR, presence detector</td>
</tr>
<tr>
<td>EBMPIR-MB-PRM</td>
<td>PRM switching, miniature, retrofit, IP65, luminaire mounted, PIR, presence detector</td>
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<tr>
<td>EBMPIR-MB-PRM-110</td>
<td>PRM switching, miniature, retrofit, IP65, luminaire mounted, PIR, presence detector, 110V</td>
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<tr>
<td>EBDMR-PRM</td>
<td>PRM switching, compact, mid range, IP40, flush mounted, PIR, presence/absence detector</td>
</tr>
<tr>
<td>EBDMR-DD</td>
<td>DALI/DSI digital dimming, compact, mid range, IP40, flush mounted, PIR, presence/absence detector</td>
</tr>
<tr>
<td>EBDRC-AD</td>
<td>1–10V analogue dimming, adjustable head, long range, IP40, flush mounted, PIR, presence/absence detector</td>
</tr>
<tr>
<td>EBDRC-DD</td>
<td>DALI/DSI digital dimming, adjustable head, long range, IP40, flush mounted, PIR, presence/absence detector</td>
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<tr>
<td>EBDRC-PRM</td>
<td>PRM switching, adjustable head, long range, IP40, flush mounted, PIR, presence/absence detector</td>
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Air Conditioning Controller

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<th>Order Code</th>
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<tr>
<td>GESEM-AC</td>
<td>Surface mount PIR AC controller</td>
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Visit www.cpelectronics.co.uk/knowlege-hub for further technical information.
### High Bay/High Level PIR Presence Detectors

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<th>Order Code</th>
<th>Description</th>
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<tr>
<td>EBDHS-AD</td>
<td>1–10v analogue dimming, IP65, high bay/high level, flush mounted, PIR, presence/absence detector</td>
</tr>
<tr>
<td>EBDHS-DD</td>
<td>DALI/DSI digital dimming, IP65, high bay/high level, flush mounted, PIR, presence/absence detector</td>
</tr>
<tr>
<td>EBDHS-PRM</td>
<td>PRM switching, IP65, high bay/high level, flush mounted, PIR, presence/absence detector</td>
</tr>
<tr>
<td>EBDHS-MB-AD</td>
<td>1–10v analogue dimming, retrofit, IP65, high bay/high level, luminaire mounted, PIR, presence detector</td>
</tr>
<tr>
<td>EBDHS-MB-DD</td>
<td>DALI/DSI digital dimming, retrofit, IP65, high bay/high level, luminaire mounted, PIR, presence detector</td>
</tr>
<tr>
<td>EBDHS-MB-PRM</td>
<td>PRM switching, retrofit, IP65, high bay/high level, luminaire mounted, PIR, presence detector</td>
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### Ceiling Mounted Microwave Presence Detectors

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<thead>
<tr>
<th>Order Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>MWS1A-C-IP-PRM</td>
<td>PRM switching, rugged, IP66, surface mounted, microwave, presence detector</td>
</tr>
<tr>
<td>MWS1A-C-IP-PRM-LV</td>
<td>PRM switching, rugged, IP66, surface mounted, microwave, presence detector, low voltage</td>
</tr>
<tr>
<td>MWS1A-C-IP-PRM-VFC</td>
<td>PRM switching, rugged, IP66, surface mounted, microwave, presence detector, volt free contacts</td>
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<tr>
<td>MWS1A-C-PRM</td>
<td>PRM switching, low profile, IP40, back box mounted, microwave, presence detector</td>
</tr>
<tr>
<td>MWS1A-C-PRM-LV</td>
<td>PRM switching, low profile, IP40, back box mounted, microwave, presence detector, low voltage</td>
</tr>
<tr>
<td>MWS3A-AD</td>
<td>1–10v analogue dimming, adjustable head, long range, IP40, flush mounted, microwave, presence/absence detector</td>
</tr>
<tr>
<td>MWS3A-AD-LV</td>
<td>1–10v analogue dimming, adjustable head, long range, IP40, flush mounted, microwave, presence/absence detector, low voltage</td>
</tr>
<tr>
<td>MWS3A-DD</td>
<td>DALI/DSI digital dimming, adjustable head, long range, IP40, flush mounted, microwave, presence/absence detector</td>
</tr>
<tr>
<td>MWS3A-DD-LV</td>
<td>DALI/DSI digital dimming, adjustable head, long range, IP40, flush mounted, microwave, presence/absence detector, low voltage</td>
</tr>
<tr>
<td>MWS3A-PRM</td>
<td>PRM switching, adjustable head, long range, IP40, flush mounted, microwave, presence/absence detector</td>
</tr>
<tr>
<td>MWS3A-PRM-L3</td>
<td>PRM switching, adjustable head, long range, IP40, flush mounted, microwave, presence/absence detector, c/w 3m lead</td>
</tr>
<tr>
<td>MWS3A-PRM-LV</td>
<td>PRM switching, adjustable head, long range, IP40, flush mounted, microwave, presence/absence detector, low voltage</td>
</tr>
<tr>
<td>MWS3A-PRM-VFC</td>
<td>PRM switching, adjustable head, long range, IP40, flush mounted, microwave, presence/absence detector, volt free contacts</td>
</tr>
<tr>
<td>MWS5A-AD-SM-SA-C</td>
<td>1–10v analogue dimming, miniature, IP40, flush mounted, microwave, presence/absence detector, c/w pre wired PSU</td>
</tr>
<tr>
<td>MWS5A-AD-SM-SM-SA-C</td>
<td>DALI/DSI digital dimming, miniature, IP40, flush mounted, microwave, presence/absence detector, c/w pre wired PSU</td>
</tr>
<tr>
<td>MWS5A-SM-PRM-2CH</td>
<td>PRM switching, miniature, IP40, flush mounted, microwave, presence/absence detector, 2-channel</td>
</tr>
<tr>
<td>MWS5A-SM-PRM</td>
<td>PRM switching, compact, IP40, flush mounted, microwave, presence/absence detector</td>
</tr>
<tr>
<td>MWS5A-SM-PRM-2CH</td>
<td>PRM switching, compact, IP40, flush mounted, microwave, presence/absence detector, 2-channel</td>
</tr>
<tr>
<td>MWS5A-SM-PRM-VFC</td>
<td>PRM switching, compact, IP40, flush mounted, microwave, presence/absence detector, volt free contacts</td>
</tr>
<tr>
<td>MWS5A-SM-PRM</td>
<td>PRM switching, compact, IP40, flush mounted, microwave, presence/absence detector</td>
</tr>
<tr>
<td>MWS5A-SM-PRM-2CH</td>
<td>PRM switching, compact, IP40, flush mounted, microwave, presence/absence detector, 2-channel</td>
</tr>
<tr>
<td>MWS5A-SM-PRM-VFC</td>
<td>PRM switching, compact, IP40, flush mounted, microwave, presence/absence detector, volt free contacts</td>
</tr>
<tr>
<td>MWS6A-AD-SM-SA-C</td>
<td>1–10v analogue dimming, IP40, surface mounted, microwave, presence/absence detector</td>
</tr>
<tr>
<td>MWS6A-AD-SM-SA-C</td>
<td>DALI/DSI digital dimming, IP40, surface mounted, microwave, presence/absence detector</td>
</tr>
<tr>
<td>MWS6A-AD-SM-PRM-LV</td>
<td>PRM switching, compact, IP40, flush mounted, microwave, presence/absence detector, low voltage</td>
</tr>
<tr>
<td>MWS6A-AD-SM-PRM-VFC</td>
<td>PRM switching, compact, IP40, flush mounted, microwave, presence/absence detector, volt free contacts</td>
</tr>
<tr>
<td>MWS6A-AD-SM-PRM-LV</td>
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</tr>
<tr>
<td>MWS6A-AD-SM-PRM-VFC</td>
<td>PRM switching, compact, IP40, flush mounted, microwave, presence/absence detector, volt free contacts</td>
</tr>
<tr>
<td>MWS6A-AD-SM-PRM-LV</td>
<td>PRM switching, compact, IP40, flush mounted, microwave, presence/absence detector, low voltage</td>
</tr>
<tr>
<td>MWS6A-AD-SM-PRM-VFC</td>
<td>PRM switching, compact, IP40, flush mounted, microwave, presence/absence detector, volt free contacts</td>
</tr>
<tr>
<td>MWS6A-AD-SM-PRM-LV</td>
<td>PRM switching, compact, IP40, flush mounted, microwave, presence/absence detector, low voltage</td>
</tr>
<tr>
<td>MWS6A-AD-SM-PRM-VFC</td>
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<td>MWS6A-AD-SM-PRM-LV</td>
<td>PRM switching, compact, IP40, flush mounted, microwave, presence/absence detector, low voltage</td>
</tr>
<tr>
<td>MWS6A-AD-SM-PRM-VFC</td>
<td>PRM switching, compact, IP40, flush mounted, microwave, presence/absence detector, volt free contacts</td>
</tr>
<tr>
<td>MWS6A-AD-SM-PRM-LV</td>
<td>PRM switching, compact, IP40, flush mounted, microwave, presence/absence detector, low voltage</td>
</tr>
<tr>
<td>MWS6A-AD-SM-PRM-VFC</td>
<td>PRM switching, compact, IP40, flush mounted, microwave, presence/absence detector, volt free contacts</td>
</tr>
</tbody>
</table>
### Wall Mounted Microwave Presence Detectors

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MWS1A-IP-PRM</td>
<td>PRM switching, rugged, IP66, wall, surface mounted, microwave, presence detector</td>
</tr>
<tr>
<td>MWS1A-IP-PRM-LV</td>
<td>PRM switching, rugged, IP66, wall, surface mounted, microwave, presence detector, low voltage</td>
</tr>
<tr>
<td>MWS1A-PRM</td>
<td>PRM switching, long range, IP40, wall, back box mounted, microwave, presence detector</td>
</tr>
<tr>
<td>MWS1A-PRM-LV</td>
<td>PRM switching, long range, IP40, wall, back box mounted, microwave, presence detector, low voltage</td>
</tr>
<tr>
<td>MWS1A-PRM-VFC</td>
<td>PRM switching, long range, IP40, wall, back box mounted, microwave, presence detector, volt free contact</td>
</tr>
</tbody>
</table>

### Minus30 Low Temperature Detector Range

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EBDHS-AD-LT30</td>
<td>1–10v analogue dimming, low temp, IP65, high bay/high level, flush mounted, PIR, presence/absence detector</td>
</tr>
<tr>
<td>EBDHS-DD-LT30</td>
<td>DALI/DSI digital dimming, low temp, IP65, high bay/high level, flush mounted, PIR, presence/absence detector</td>
</tr>
<tr>
<td>EBDHS-PRM-LT30</td>
<td>PRM switching, low temp, IP65, high bay/high level, flush mounted, PIR, presence/absence detector</td>
</tr>
<tr>
<td>EBDHS-MB-AD-LT30</td>
<td>1–10v analogue dimming, retrofit, low temp, IP65, high bay/high level, luminaire mounted, PIR, presence detector</td>
</tr>
<tr>
<td>EBDHS-MB-DD-LT30</td>
<td>DALI/DSI digital dimming, retrofit, low temp, IP65, high bay/high level, luminaire mounted, PIR, presence detector</td>
</tr>
<tr>
<td>EBDHS-MB-PRM-LT30</td>
<td>PRM switching, retrofit, low temp, IP65, high bay/high level, luminaire mounted, PIR, presence detector</td>
</tr>
<tr>
<td>EBDSPIR-AD-IP-LT30</td>
<td>1–10V analogue dimming, compact, low temp, IP55, flush mounted, PIR, presence/absence detector</td>
</tr>
<tr>
<td>EBDSPIR-DD-IP-LT30</td>
<td>DALI/DSI digital dimming, compact, low temp, IP55, flush mounted, PIR, presence/absence detector</td>
</tr>
<tr>
<td>EBDSPIR-PRM-IP-LT30</td>
<td>PRM switching, compact, low temp, IP55, flush mounted, PIR, presence/absence detector</td>
</tr>
<tr>
<td>EBMPIR-MB-AD-LT30</td>
<td>1–10V analogue dimming, miniature, retrofit, low temp, IP65, luminaire mounted, PIR, presence detector</td>
</tr>
<tr>
<td>EBMPIR-MB-DD-LT30</td>
<td>DALI/DSI digital dimming, miniature, retrofit, low temp, IP65, luminaire mounted, PIR, presence detector</td>
</tr>
<tr>
<td>EBMPIR-MB-PRM-LT30</td>
<td>PRM switching, miniature, retrofit, low temp, IP65, luminaire mounted, PIR, presence detector</td>
</tr>
</tbody>
</table>

### KNX Presence Detectors

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EBDHS-KNX</td>
<td>KNX, IP65, high bay/high level, flush mounted, PIR, presence/absence detector</td>
</tr>
<tr>
<td>EBDSPIR-KNX</td>
<td>KNX, compact, IP40, flush mounted, PIR, presence/absence detector</td>
</tr>
<tr>
<td>MWS3A-KNX</td>
<td>KNX, adjustable head, long range, IP40, flush mounted, microwave, presence/absence detector</td>
</tr>
<tr>
<td>MWS6-KNX</td>
<td>KNX, compact, IP40, flush mounted, microwave, presence/absence detector</td>
</tr>
</tbody>
</table>

Visit [www.cpelectronics.co.uk/knowledge-hub](http://www.cpelectronics.co.uk/knowledge-hub) for further technical information.
### Light Level Controls

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALC-PRM-VFC</td>
<td>Compact, IP40, flush mounted, photocell switch, PRM switching, volt free contacts</td>
<td></td>
</tr>
<tr>
<td>ALC-DD</td>
<td>Compact, IP40, flush mounted, photocell switch, DALI/DSI digital dimming</td>
<td>21</td>
</tr>
<tr>
<td>ALC-AD</td>
<td>Compact, IP40, flush mounted, photocell switch, 1–10V analogue dimming</td>
<td></td>
</tr>
</tbody>
</table>

### Infrared Handsets

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>UHS5</td>
<td>Compact, programming/commissioning handset</td>
<td>4</td>
</tr>
<tr>
<td>UHS7</td>
<td>Compact, user handset</td>
<td>4</td>
</tr>
<tr>
<td>UNLCDHS</td>
<td>Professional, programming/commissioning LCD handset</td>
<td>4</td>
</tr>
</tbody>
</table>

### Accessories

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Description</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>DBB</td>
<td>Surface mount back box, white*</td>
<td></td>
</tr>
<tr>
<td>MWS3A-DBB</td>
<td>MWS3A Surface mount back box BESA fixing, white*</td>
<td></td>
</tr>
<tr>
<td>DBB-EXT</td>
<td>Surface mount back box extender BESA fixing, white*</td>
<td></td>
</tr>
<tr>
<td>MWS3A-DBB-EXT</td>
<td>MWS3A Surface mount back box extender BESA fixing, white**</td>
<td></td>
</tr>
<tr>
<td>EBDHS-DBB-WBRKT</td>
<td>EBDHS Wall mount bracket, white*</td>
<td></td>
</tr>
<tr>
<td>MWS3A-DBB-WBRKT</td>
<td>MWS3A Wall mount bracket, white**</td>
<td></td>
</tr>
<tr>
<td>EBD-ENCIP1</td>
<td>IP65 detector enclosure, grey*</td>
<td></td>
</tr>
<tr>
<td>EXD-HSC</td>
<td>Extended wiring compartment for use with flush mounted detectors, white*</td>
<td></td>
</tr>
<tr>
<td>EBDSPIR-MS</td>
<td>Adhesive masking shields (pack of 10), white</td>
<td></td>
</tr>
<tr>
<td>EBDHS-MS</td>
<td>Masking shields</td>
<td></td>
</tr>
<tr>
<td>MWS3A-VPPC</td>
<td>Wall mount protective cover for use with wall mount bracket, clear</td>
<td></td>
</tr>
</tbody>
</table>

*Compatible with EBDSPIR, EBDHS, ALC, MWS6 and EBDMR presence detectors.
**Also suitable for EBDRC.
Terms & Conditions

These Terms & Conditions of Sale shall apply to and form part of every contract of sale entered into by the Company and executory and executed in the understanding that the Customer is bound by these Terms & Conditions of Sale which shall apply notwithstanding any terms or conditions contained in any purchase order or other document 3

in which any such order is accepted or purported to be accepted, or any such order made or purported to be made, by the Purchaser.

No contract of sale shall come into existence until the Customer has accepted 4

these Terms & Conditions of Sale or expressly by implication.

1

1.1 The Company agrees any agreement which incorporates the Conditions. Company 5

the Customer uncommenced, London MI9W 7ER.

1.2 The Company shall be responsible for ensuring the accuracy of the terms and Conditions. Any Order or Specification 6

2

2.1 Each Order shall constitute a separate Agreement between the Company and the Customer.

2.2 The Customer shall be responsible for ensuring the accuracy of the terms

3.3 The price of the Goods shall be the Company’s quoted price or price quoted for delivery

3

3.1 The price of the Goods shall be the Company’s quoted price or price quoted for delivery to the place of delivery as set out in the delivery note or such other address as may be notified from time to time by the Company.

3.6 If the Customer fails to make any payment on the due date then, without limiting any other right or remedy available to the Company, the Company may take or copy from the products any intellectual property rights or any information or data which the Company has or control of that party.

3.6.3 charge interest on sums more than 7 days overdue on a daily basis

4.3 The Customer shall be entitled to return the Goods at the cost and expense of the Customer and the Company.

4

4.4 Any claim by the Customer for short delivery must be notified to the Company within 7 days of delivery.

4.5 Failure by the Company to deliver one or more invoices of Goods on the date specified in the delivery note or such other address as may be notified from time to time by the Company.

4.6 All prices and values are exclusive of VAT and all applicable laws, rules, government regulations or duties

5

5.1 The Customer may not return without the written consent of the Company. Goods returned to the Company shall be at the Customer’s risk and the Company shall not be liable to the Customer for any loss or damage suffered or incurred in the course of such transportation.

5.2 The Customer shall be deemed to have accepted the Goods upon delivery.

6

6.1 The Company shall not have passed the Goods to the Customer in full payment of the full price of the Goods until the Customer agrees to accept and pay for the Goods.

6.2 The Company shall be entitled to recover the price and any other sums due to the Company by any legal process without notice to the Customer.

6.3 The Company shall hold the Goods as the Company’s fixtures and appurtenances and

7

7.1 Subject to clause 7.2 the Company warrants that the Goods will be free from defects in material and workmanship for a period of five years from the date of delivery.

7.2 The Customer shall have no liability for defects in the Goods arising from any of the following parts, materials, or equipment not manufactured by the Company in respect of which the Customer shall only be entitled to the benefit of any such warranty or guarantee given by the manufacturer to the Company.

7.3 The Customer shall have no liability for defects in the Goods which resulted from the Customer’s indestructible as agent and trustee for the Company and shall account to the Company for the proceeds of such sale or in the case of payment not having been made to the Customer, the Customer shall, within 7 days of the proceeds of such sale or in the case of payment not having been made to the Customer, the Customer shall resell the Goods to the Company at such price as the Company considers reasonable in the circumstances.

7.6 Repaired or replaced Goods shall be redelivered by the Company free of charge.

8.1 Subject to clause 8.2 in the event that any claim is made against the Customer for infringement of any intellectual property rights, the Customer shall not be entitled to any claim against the Company and the Company will have no liability to the Customer for any loss, cost, damage, expense, or other term, or duty at common law, or under the express terms of the Agreement, or for any economic loss, loss of profit or loss of revenue or loss of business or otherwise arising from negligence, breach of contract or otherwise, costs, expenses or other claims for compensation whatsoever which arise out of or in connection with the supply of the Goods or their use or resale by the Customer and the Customer’s entire liability in respect of the Company’s liability under the Agreement shall not exceed the price of the Goods except as otherwise expressly provided in the Agreement.

8.2 The Company shall not be liable for any loss, damage, or reduction in 8
n
performance in the performance of the Goods which in the reasonable opinion of the Company are attributable to any equipment, services or non-supplied by the Company.

10

10.1 Either party shall have the right to be breached of these Conditions or otherwise liable to the other for any delay in performance or any non-performance of any obligations hereunder (and the time for performance shall be extended by the duration of any delay or non-performance due to any event or circumstance beyond the reasonable control of that party.

11. Notice

11 Any notice required to be given or served hereunder shall be given by

11.1 The Customer’s right to re-sell the Goods where title thereto has not passed to the Customer on the delivery of the Goods to the Customer shall become the property of the Company.

12 Assignment

12 The Agreement is personal to the Customer and may not be assigned or transferred without the prior written consent of the Company.

13 Waiver

13 Compliance, delay or indiscipline by the Company in enforcing the provisions herein shall prejudice or restrict its right or waiver of any of its rights operating as a waiver of any subsequent breach and no such waiver or consent given or deemed to have been given in any way or manner shall operate as a waiver of any other right, power, or remedy herein conferred or reserved for the Company is exclusive of any other right, power, or remedy available to it and each such right, power, or remedy shall be cumulative.

14 Indemnity

14.1 Both parties shall comply with all applicable laws, statutes and regulations on anti-corruption, bribery, foreign bribery, and on economic sanctions.

14.2 adhere to the London sustainable development and business ethics requirements as set out in the Charter of Fundamental Principles, the guide to the effect of compliance and the Charter for Fair Competition available at www.lse.org.uk.

15 Confidentiality

15.1 Both the Company and the Customer shall keep confidential and shall not disclose without the prior written consent of the other any technical information and commercial information acquired as a result of any communications between them relating to the Contract or the Goods.

16 Communications

16 All communications between the parties in respect of the Contract must be in writing and delivered by hand or sent by pre-paid first class post or sent by facsimile transmission (with a hard copy by post).

16.2 In case of communications by facsimile transmission the copy is to be sent to its address as set out in the Contract unless otherwise notified to the Company, and in the case of communications by facsimile transmission by e-mail the original in a manner or for a purpose which shall have been specifically prohibited by the Company having followed a Specification nor to any use of the Goods in a manner or for a purpose which shall have been specifically prohibited by the Company and the Customer.

16.3 Communications have been deemed to have been received if sent by pre-

17 Entire Agreement

17.1 These Conditions constitute the entire and only agreement between the parties and supersede any and all prior proposals, agreements negotiations and discussions between the parties.

18 Partial Invalidity

18 If any provision herein proves to be legally invalid it shall not affect the validity of the remaining provisions herein which shall continue in full force and effect.

19 Variation

19 These Conditions may not be varied or amended unless such variations or amendments are agreed in writing by both parties.

20 General

20.1 Any reference to any statute or statutory provision includes a reference to any modification or amendment of such statute or provision which is in force at the time of the reference but does not include any re-enacted provision.

20.2 Any reference to a party includes a reference to its successors in title and assigns.

20.3 These Conditions shall be governed by the laws of England and the parties hereby irrevocably agree to submit to the exclusive jurisdiction of the English courts.