CP electronics
ENERGY CONTROLS

Standalone Presence Detectors

Innovation. Functionality. Simplicity.

Brochure
Issue 1.1

Innovation. Functionality. Simplicity.

Our wide range of PIR and microwave presence detectors are designed to reduce the amount of time lighting 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 costs dependent on occupancy behaviour and the amount of natural light available. Our 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 area.

5 YEAR WARRANTY

UK DESIGN

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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

UHS5

UHS7

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.
- IR range up to 20m.

UHS5 – Commissioning handset

- The UHS5 is a compact infrared handset used for the basic programming of IR enabled CP products
- IR range up to 7m.

UHS7 – User handset

- User handset for simple scene setting, on & off, raise & lower
- IR range up to 7m.

Please see **pages 26-29** for order codes

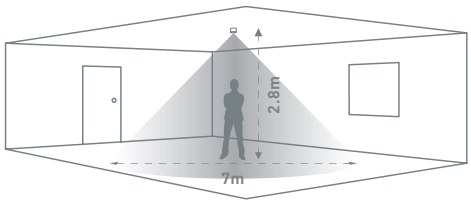
EBDSPIR | Compact, flush mounted detectors

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

- Low profile design
- Self contained unit
- Pluggable
- Infrared programmable.

Detection pattern

high < sensitivity > low



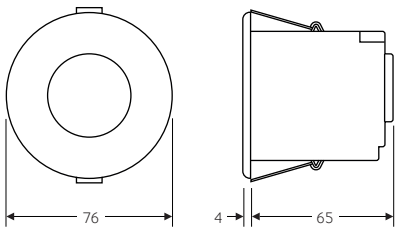
Available control methods

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

Available options

- LT30 – Low temperature
- LV – Low voltage
- VFC – Voltage free contact
- 2CH – 2 channel
- 2CH-NC – 2 channel normally closed for fail safe applications

Dimensions (mm)



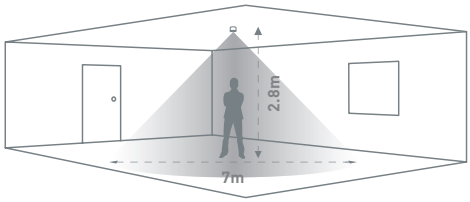
EBDSM | Compact, surface mounted detectors

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

- Self contained unit
- Easy to install via back plate
- Infrared programmable
- IP40 (no gasket); IP54 when fitted with gasket.

Detection pattern

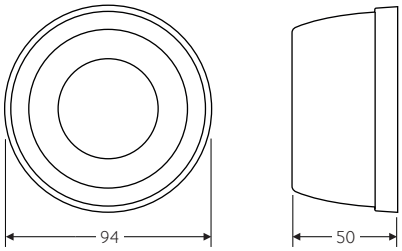
high < sensitivity > low



Available control methods

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

Dimensions (mm)



Please see **pages 26-29** for order codes

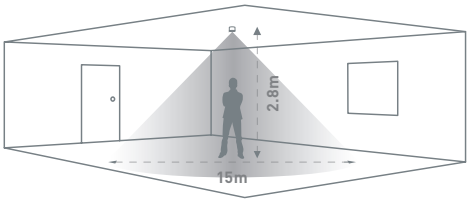
EBDMR | Mid range, flush mounted detectors

Our range of compact flush mounted PIR 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
- 360° presence and absence detector
- Ideal for open spaces
- IP40 rated
- Available in a wide range of RAL colours.

Detection pattern

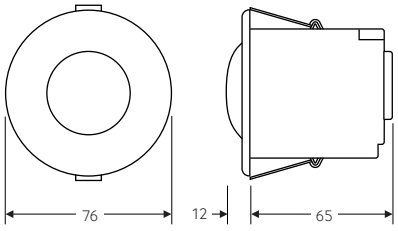
high < sensitivity > low



Available control methods

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

Dimensions (mm)



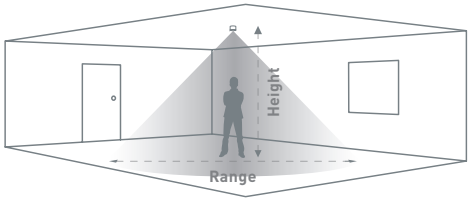
EBMHS | Miniature, flush/surface mounted detectors

This small, unobtrusive, but highly capable PIR 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
- Supplied pre-wired with an RJ11 plug for connection into the power supply
- Infrared programmable
- For mounting at heights up to 7m
- Supplied with a flush mounting ring for easy fitting into the ceiling.

Detection pattern

high < sensitivity > low



Height	Range
2.8m	9m
7m	16m

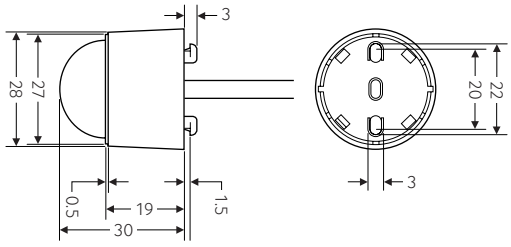
Available control methods

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

Available options

- LV – Low voltage

Dimensions (mm)



Please see **pages 26-29** for order codes

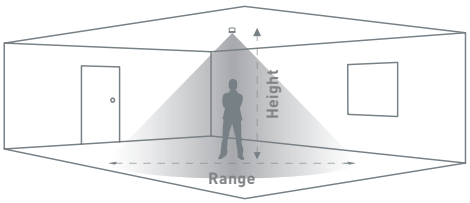
EBMPIR-MB | Miniature, retrofit, luminaire mounted detectors

The EBMPIR-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
- Supplied with 1m lead
- IP65 rated for wet and damp environments
- For mounting at heights up to 7m.

Detection pattern

high < sensitivity > low



Height	Range
2.8m	9m
7m	16m

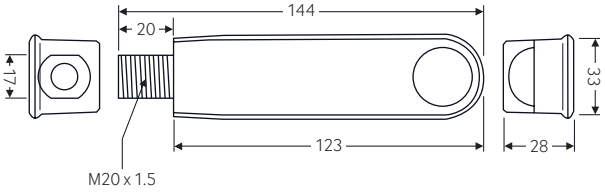
Available control methods

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

Available options

- LT30 – Low temperature
- LV – Low voltage (110V)

Dimensions (mm)



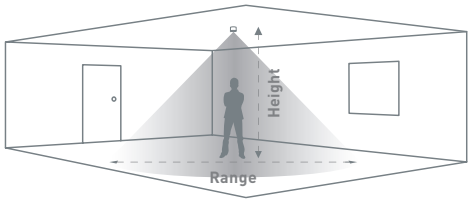
EBMINT | Miniature clip on, retrofit, luminaire mounted detectors

The 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
- Quick to set up via infrared handset control
- Integrated power supply.

Detection pattern

high < sensitivity > low

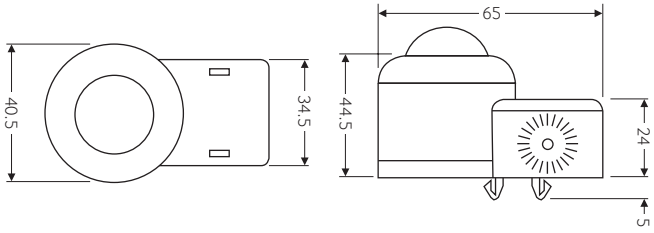


Height	Range
2.8m	9m
7m	16m

Available control methods

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

Dimensions (mm)



Please see **pages 26-29** for order codes

EBDRC | Adjustable head, flush mounted detectors

Head can be adjusted to suit the detection pattern required

Detection head position set to 15°

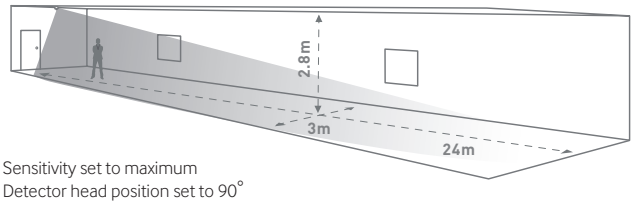
Detection head position set to 90°

The EBDRC PIR series 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
- Lux and time control
- IP40 rated
- Ideal for corridor applications.

Detection pattern

high ‹ sensitivity › low

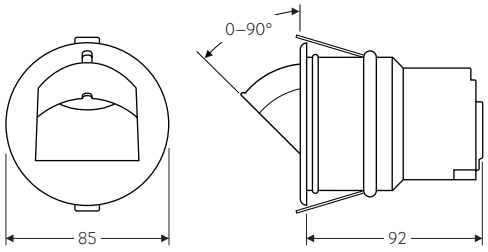


Sensitivity set to maximum
Detector head position set to 90°

Available control methods

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

Dimensions (mm)



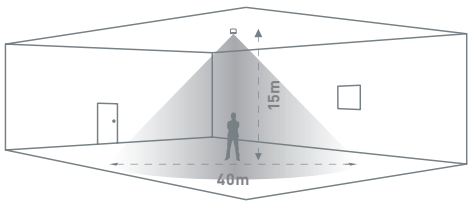
EBDHS | Long range, flush mounted, high level detectors

The EBDHS PIR presence 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
- Supplied with adjustable masking shields to tailor detection zones.

Detection pattern

high < sensitivity > low



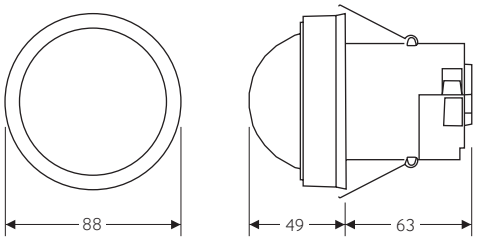
Available control methods

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

Available options

- LT30 – Low temperature
- LV – Low voltage

Dimensions (mm)



Please see **pages 26-29** for order codes

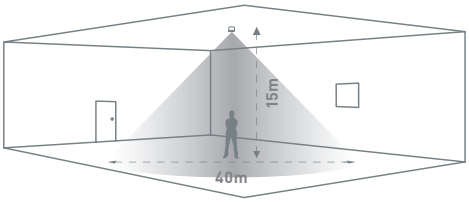
EBDHS-MB | Long range, luminaire mounted, high level detectors

The EBDHS-MB luminaire mounted PIR presence detector range 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
- Easy to retrofit to commercial luminaires and basic battens.

Detection pattern

high < sensitivity > low



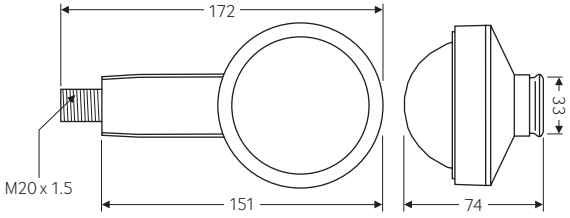
Available control methods

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

Available options

- LT30 – Low temperature

Dimensions (mm)



GESM-AC | Surface mounted controller for air conditioning

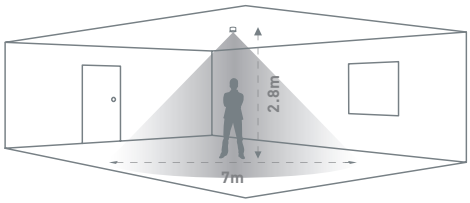
A surface mounted air conditioning (AC) controller that provides auto on/auto off switching of infrared controlled AC units, based on occupancy. As it controls use, significant energy savings can be achieved.

Battery powered and quick to install, the timeout period of the GESM-AC can be easily set up via push button operation.

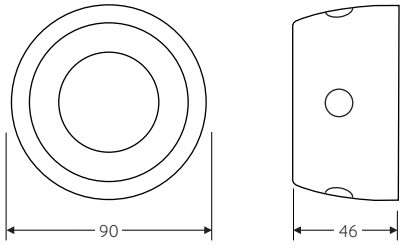
- Automatic control of air conditioning
- Compatible with most infrared controlled AC units
- Adjustable via easy push button operation
- Learn mode – works by 'learning' the infrared code and overriding the on/off commands
- Sleep mode – extended battery life by 'waking up' on detection
- Ideal for small meeting rooms, holiday lets, classrooms, health centres and care homes
- Supplied with two AA batteries.

Detection pattern

high < sensitivity > low



Dimensions (mm)



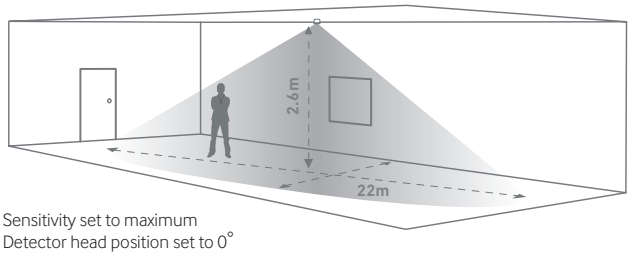
Please see **pages 26-29** for order codes

MWS3A | Adjustable head, flush mounted detectors

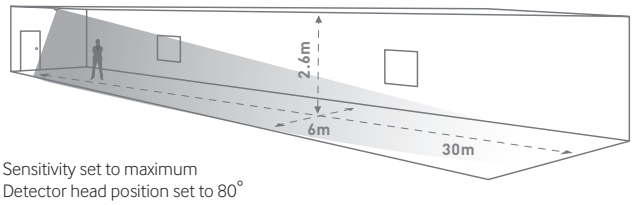
Head can be adjusted to suit the detection pattern required

Detection pattern

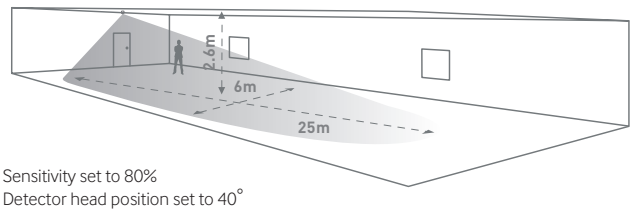
high < sensitivity > low



Sensitivity set to maximum
Detector head position set to 0°



Sensitivity set to maximum
Detector head position set to 80°



Sensitivity set to 80%
Detector head position set to 40°

Unlike fixed head microwave detectors the MWS3A offers a unique presence/absence detection capability by using an adjustable head.

- Unique adjustable head design to achieve the required detection pattern
- Locking mechanism to prevent tampering
- Can be flush or surface mounted
- IP40 rated.

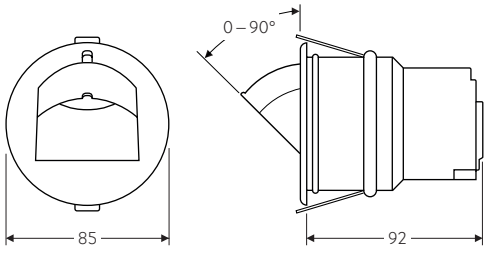
Available control methods

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

Available options

- LV – Low voltage
- VFC – Voltage free contact
- 2CH – 2 channel
- 2CH-NC – 2 channel normally closed for fail safe applications

Dimensions (mm)



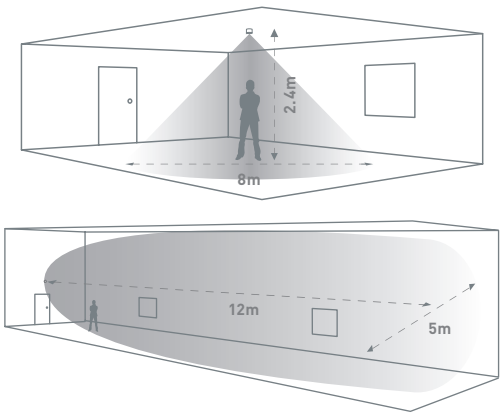
MWS5 | Compact, flush/surface mounted detectors

The MWS5 range of compact microwave 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
- Standard and slimline power supply units also available.

Detection pattern

high < sensitivity > low



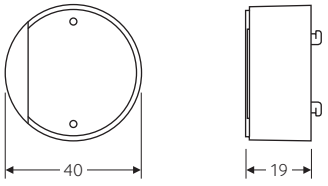
Available control methods

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

Available options

- LV – Low voltage

Dimensions (mm)



For power supply unit dimensions, please refer to the product installation guide on our website

Please see **pages 26-29** for order codes

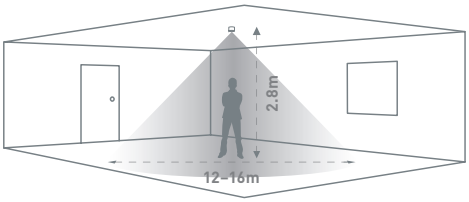
MWS6 | Compact, flush mounted detectors

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
- Available in a wide range of RAL colours.

Detection pattern

high < sensitivity > low



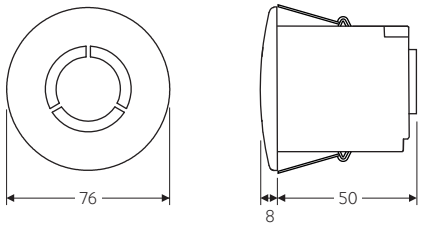
Available control methods

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

Available options

- LV – Low voltage
- VFC – Voltage free contact
- 2CH – 2 channel
- 2CH-NC – 2 channel normally closed for fail safe applications

Dimensions (mm)

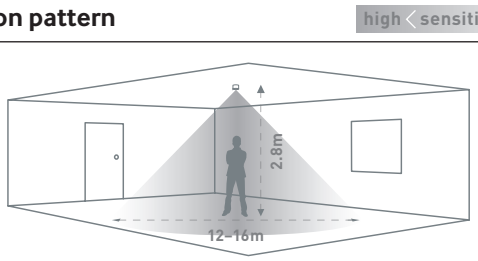


MWS6SM | Compact, surface mounted detectors

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
- Self contained unit
- Easy to install via a back plate.

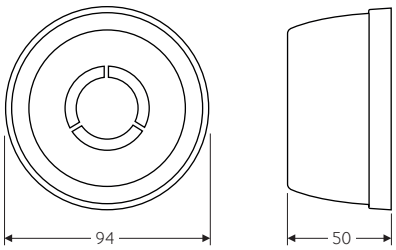
Detection pattern



Available control methods

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

Dimensions (mm)



Please see **pages 26-29** for order codes

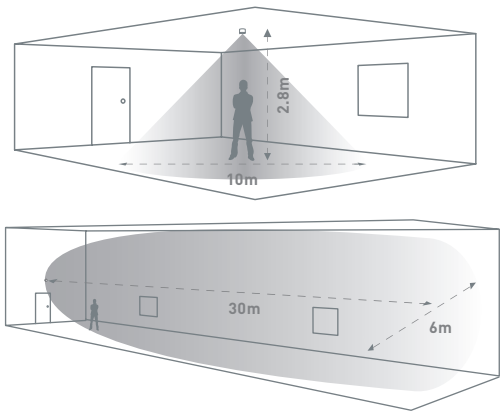
MWS1A | Low profile, back box mounted detectors

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

- Presence detection
- Easily setup using the UHS5 infrared handset – no need to remove unit to re-program
- Suitable for heating and ventilation applications
- Compatible with European back boxes
- Fixing screw cap covers – smooth plate finish.

Detection pattern

high < sensitivity > low



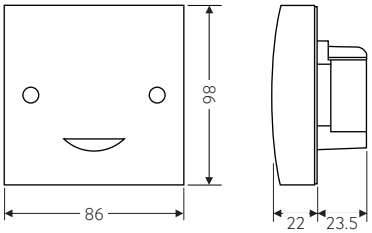
Available control methods

- PRM – Switching

Available options

- LV – Low voltage
- VFC – Voltage free contact

Dimensions (mm)

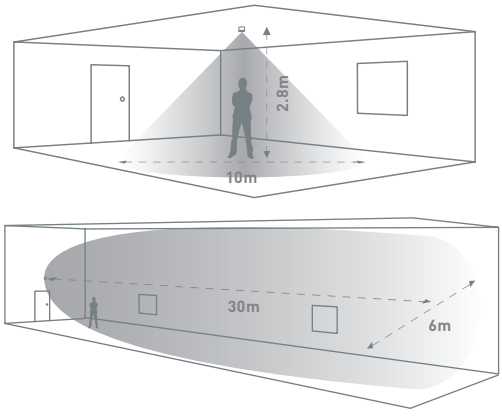


MWS1A-IP | Rugged, surface mounted detectors

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

- Unobtrusive design – vandal resistant
- Built in lux level sensing – enhanced energy saving
- Low voltage and volt free options – suitable for BMS and other control applications.

Detection pattern



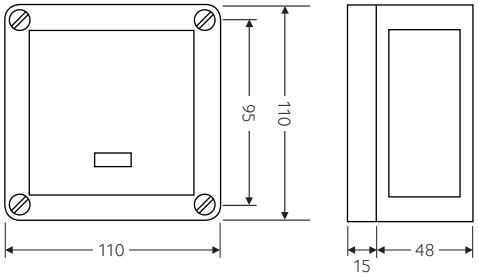
Available control methods

- PRM – Switching

Available options

- LV – Low voltage
- VFC – Volt free contact

Dimensions (mm)



Please see **pages 26-29** for order codes

ALC | Compact, flush mounted photocell switches

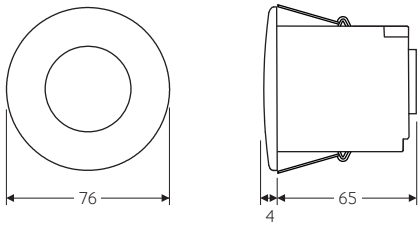
The ALC is a flush mounted lighting control photocell for the automatic control of light output from suitable luminaires.

- Flush or surface mounted
- Adjustable preset levels for more control
- Adjustable time delay prevents nuisance switching
- Dimming version available to provide a maintained level of illuminance.

Available control methods

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

Dimensions (mm)



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° temperatures.

minus 30° range

EBMPIR-MB-LT30

EBDSPIR-LT30

EBDHS-LT30

EBDHS-MB-LT30

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.

KNX EIB

EBDSPIR-KNX

EBDHS-KNX

MWS3A-KNX

MWS6-KNX

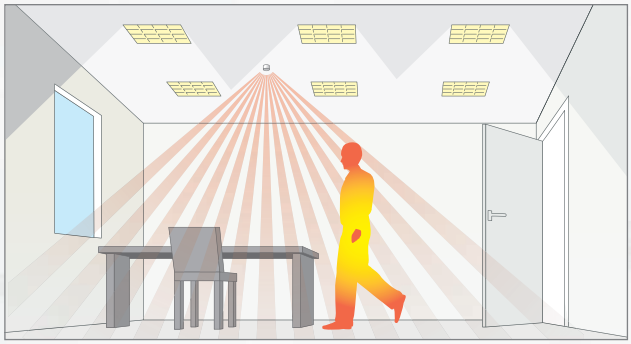
Please see **pages 26-29** for order codes

Presence and absence detection explained

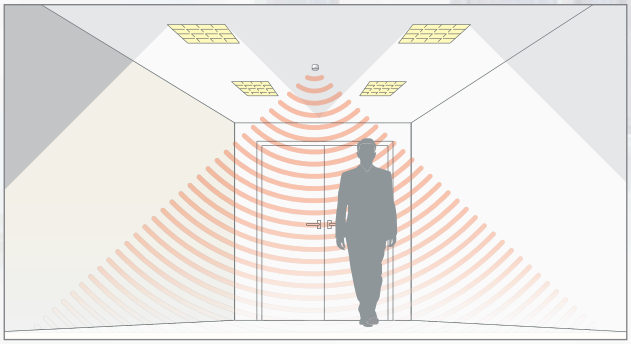
Presence Detection: Detectors will switch on lighting automatically when a person enters the room, and switches off lighting automatically when no movement is detected.

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

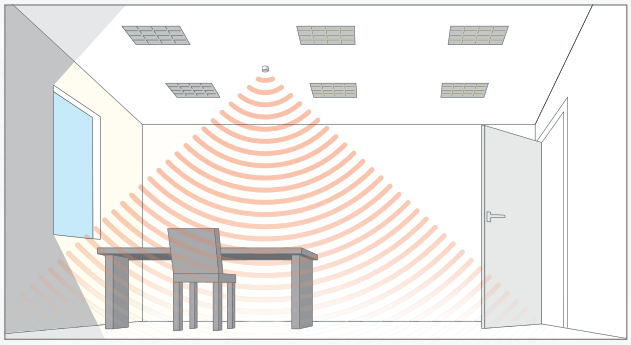


PIR (Passive Infrared) Detection: PIR detectors work on detecting the movement of body heat. They are better suited to smaller spaces or where a defined detection pattern is required.

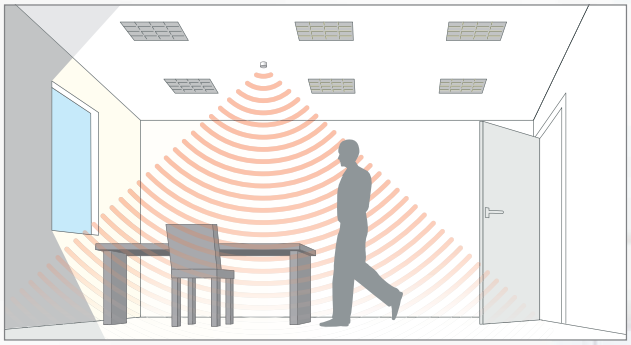


Microwave Detection: Microwave Detectors are sensitive to objects that move, with much greater coverage and sensitivity. They can detect through glass, therefore careful consideration on location is needed in certain applications.

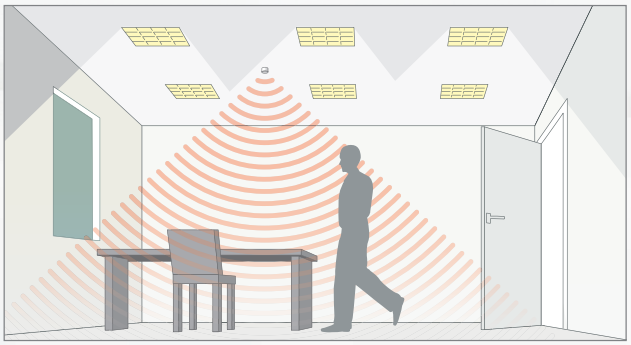
PRM Detectors | Switching with lux level sensing



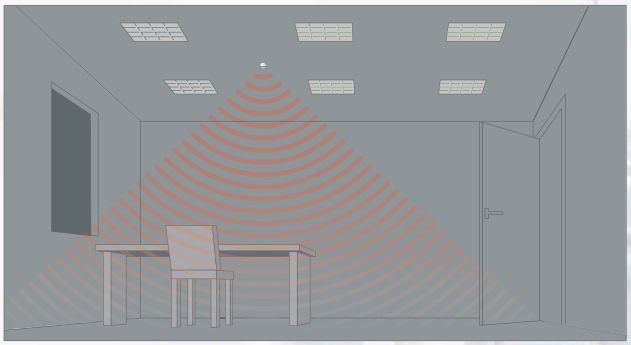
No presence detected, daylight, lights off.



Presence detected, sufficient daylight, lights off.



Presence detected, insufficient daylight, all lights on.



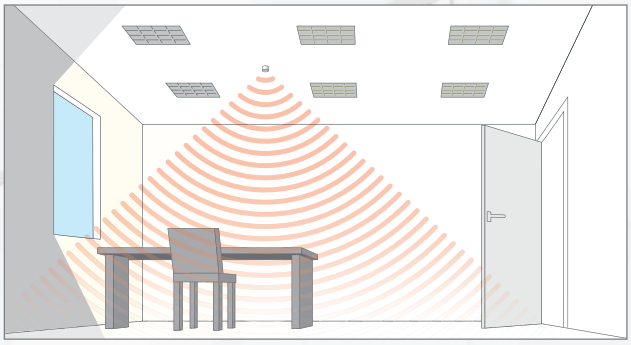
No presence detected, lights off.

These presence detectors have built-in adjustable lux sensors which will keep the lighting switched off if there is sufficient natural light.

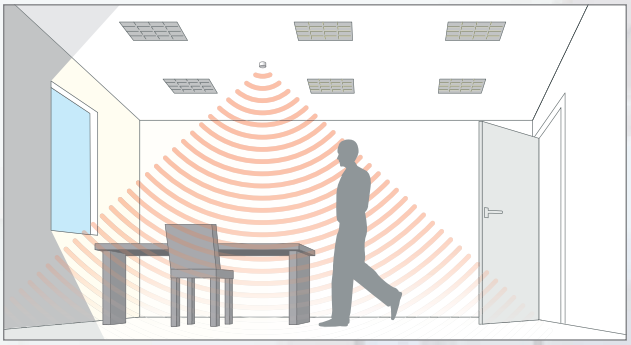
Key features

- 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.

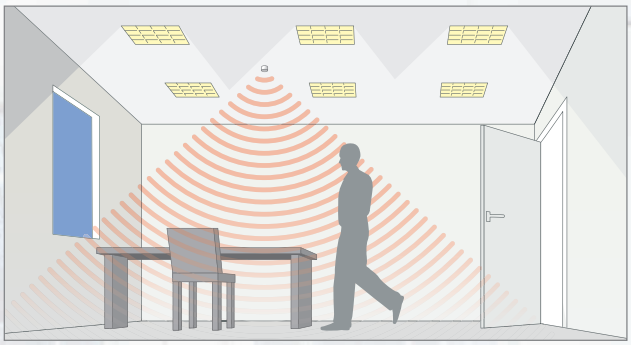
DD & AD Detectors | Dimming with lux level sensing



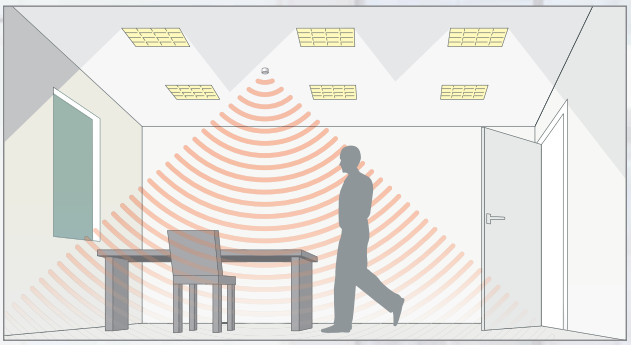
No presence detected, daylight, lights off.



Presence detected, sufficient daylight, lights off.



Presence detected, some daylight. Lights on and dimmed to maintain lux level.

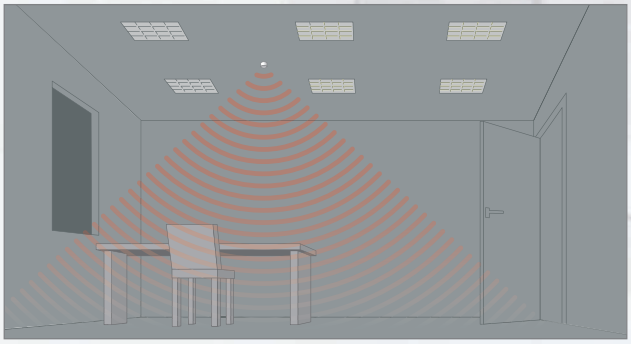


Presence detected, insufficient daylight. Detector measures and implements maintained illuminance.

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.



No presence detected, lights off.

Ceiling Mounted PIR Presence Detectors

	Order Code	Description	PG
	EBDSPIR-AD	1–10V analogue dimming, compact, IP40, ceiling, flush mounted, PIR, presence/absence detector, up to 10 drivers/ballasts	
	EBDSPIR-DD	DALI/DSI digital dimming, compact, IP40, ceiling, flush mounted, PIR, presence/absence detector, up to 20 drivers/ballasts	
	EBDSPIR-DD-LV	DALI/DSI digital dimming, compact, IP40, ceiling, flush mounted, PIR, presence/absence detector, low voltage, up to 10 drivers/ballasts	
	EBDSPIR-PRM	PRM switching, compact, IP40, ceiling, flush mounted, PIR, presence/absence detector	
	EBDSPIR-PRM-2CH	PRM switching, compact, IP40, ceiling, flush mounted, PIR, presence/absence detector, 2-channel	5
	EBDSPIR-PRM-2CH-NC	PRM switching, compact, IP40, ceiling, flush mounted, PIR, presence/absence detector, normally closed fail-safe contacts, 2-channel	
	EBDSPIR-PRM-IP	PRM switching, compact, IP55, ceiling, flush mounted, PIR, presence/absence detector	
	EBDSPIR-PRM-L3	PRM switching, compact, IP40, ceiling, flush mounted, PIR, presence/absence detector, c/w 3m lead	
	EBDSPIR-PRM-LV	PRM switching, compact, IP40, ceiling, flush mounted, PIR, presence/absence detector, low voltage	
	EBDSPIR-PRM-VFC	PRM switching, compact, IP40, ceiling, flush mounted, PIR, presence/absence detector, volt free contacts	
	EBDSM-AD	1–10V analogue dimming, compact, IP40 without gasket; IP54 with gasket, ceiling, surface mounted, PIR, presence/absence detector, up to 10 drivers/ballasts	
	EBDSM-DD	DALI/DSI digital dimming, compact, IP40 without gasket; IP54 with gasket, ceiling, surface mounted, PIR, presence/absence detector, up to 20 drivers/ballasts	6
	EBDSM-PRM	PRM switching, compact, IP40 without gasket; IP54 with gasket, ceiling, surface mounted, PIR, presence/absence detector	
	EBMHS-AD-SA-C	1–10V analogue dimming, miniature, IP40, ceiling, flush/surface mounted, PIR, presence/absence detector, c/w pre-wired PSU, up to 10 drivers/ballasts	
	EBMHS-DD-SA-C	DALI/DSI digital dimming, miniature, IP40, ceiling, flush/surface mounted, PIR, presence/absence detector, c/w pre-wired PSU, up to 10 drivers/ballasts	8
	EBMHS-PRM-SA-C	PRM switching, miniature, IP40, ceiling, flush/surface mounted, PIR, presence/absence detector, c/w pre-wired PSU, up to 10 drivers/ballasts	
	EBMINT-AD	1–10V analogue dimming, miniature clip on, retrofit, IP40, ceiling, luminaire mounted, PIR, presence detector, up to 4 drivers/ballasts	
	EBMINT-DD	DALI/DSI digital dimming, miniature clip on, retrofit, IP40, ceiling, luminaire mounted, PIR, presence detector, up to 4 drivers/ballasts	10
	EBMINT-PRM	PRM switching, miniature clip on, retrofit, IP40, ceiling, luminaire mounted, PIR, presence detector, up to 4 drivers/ballasts	
	EBMPIR-MB-AD	1–10V analogue dimming, miniature, retrofit, IP65, ceiling, luminaire mounted, PIR, presence detector, up to 4 drivers/ballasts	
	EBMPIR-MB-DD	DALI/DSI digital dimming, miniature, retrofit, IP65, ceiling, luminaire mounted, PIR, presence detector, up to 10 drivers/ballasts	9
	EBMPIR-MB-PRM	PRM switching, miniature, retrofit, IP65, ceiling, luminaire mounted, PIR, presence detector	
	EBMPIR-MB-PRM-110	PRM switching, miniature, retrofit, IP65, ceiling, luminaire mounted, PIR, presence detector, 110V	
	EBDMR-AD	1–10V analogue dimming, mid range, IP40, flush mounted, ceiling, PIR, presence/absence detector	
	EBDMR-DD	DALI/DSI digital dimming, mid range, IP40, flush mounted, ceiling, PIR, presence/absence detector	7
	EBDMR-PRM	PRM switching, mid range, IP40, flush mounted, ceiling, PIR, presence/absence detector	
	EBDRC-AD	1–10V analogue dimming, adjustable head, IP40, flush mounted, ceiling, PIR, presence/absence detector	
	EBDRC-DD	DALI/DSI digital dimming, adjustable head, IP40, flush mounted, ceiling, PIR, presence/absence detector	11
	EBDRC-PRM	PRM switching, adjustable head, IP40, flush mounted, ceiling, PIR, presence/absence detector	

Air Conditioning Controller

	Order Code	Description	PG
	GESM-AC	Compact, surface mounted, ceiling, AC detector	14

High Level PIR Presence Detectors

	Order Code	Description	PG
	EBDHS-AD	1–10V analogue dimming, long range, IP65, high level, flush mounted, PIR, presence/absence detector, up to 10 drivers/ballasts drivers/ballasts	12
	EBDHS-DD	DALI/DSI digital dimming, long range, IP65, high level, flush mounted, PIR, presence/absence detector, up to 20 drivers/ballasts	
	EBDHS-PRM	PRM switching, long range, IP65, high level, flush mounted, PIR, presence/absence detector	
	EBDHS-MB-AD	1–10V analogue dimming, long range, retrofit, IP65, high level, luminaire mounted, PIR, presence detector, up to 4 drivers/ballasts	13
	EBDHS-MB-DD	DALI/DSI digital dimming, long range, retrofit, IP65, high level, luminaire mounted, PIR, presence detector, up to 10 drivers/ballasts	
	EBDHS-MB-PRM	PRM Switching, long range, retrofit, IP65, high level, luminaire mounted, PIR, presence detector	

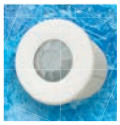
Ceiling Mounted Microwave Presence Detectors

	Order Code	Description	PG
	MWS1A-C-IP-PRM	PRM switching, rugged, IP66, ceiling, surface mounted, microwave, presence detector	20
	MWS1A-C-IP-PRM-LV	PRM switching, rugged, IP66, ceiling, surface mounted, microwave, presence detector, low voltage	
	MWS1A-C-IP-PRM-VFC	PRM switching, rugged, IP66, ceiling, surface mounted, microwave, presence detector, volt free contacts, up to 6 drivers/ballasts	
	MWS1A-C-PRM	PRM switching, low profile, ceiling, back box mounted, microwave, presence detector	19
	MWS1A-C-PRM-LV	PRM switching, low profile, ceiling, back box mounted, microwave, presence detector, low voltage	
	MWS1A-C-PRM-VFC	PRM switching, low profile, ceiling, back box mounted, microwave, presence detector, volt free contacts	
	MWS3A-AD	1–10V analogue dimming, adjustable head, IP40, ceiling, flush mounted, microwave, presence/absence detector, up to 10 drivers/ballasts	15
	MWS3A-AD-LV	1–10V analogue dimming, adjustable head, IP40, ceiling, flush mounted, microwave, presence/absence detector, low voltage	
	MWS3A-DD	DALI/DSI digital dimming, adjustable head, IP40, ceiling, flush mounted, microwave, presence/absence detector, up to 20 drivers/ballasts	
	MWS3A-DD-LV	DALI/DSI digital dimming, adjustable head, IP40, ceiling, flush mounted, microwave, presence/absence detector, low voltage, up to 10 drivers/ballasts	
	MWS3A-PRM	PRM switching, adjustable head, IP40, ceiling, flush mounted, microwave, presence/absence detector	
	MWS3A-PRM-L3	PRM switching, adjustable head, IP40, ceiling, flush mounted, microwave, presence/absence detector, c/w 3m lead	
	MWS3A-PRM-LV	PRM switching, adjustable head, IP40, ceiling, flush mounted, microwave, presence/absence detector, low voltage	
	MWS3A-PRM-VFC	PRM switching, adjustable head, IP40, ceiling, flush mounted, microwave, presence/absence detector, volt free contacts	
	MWS5-AD-SA-C	1–10V analogue dimming, compact, IP40, ceiling, flush mounted, microwave, presence/absence detector	16
	MWS5-DD-SA-C	DALI/DSI digital dimming, compact, IP40, ceiling, flush mounted, microwave, presence/absence detector, c/w pre-wired PSU, up to 10 drivers/ballasts	
	MWS5-PRM-SA-C	PRM switching, compact, IP40, ceiling, flush mounted, microwave, presence/absence detector, c/w pre-wired PSU	
	MWS6-AD	1–10V analogue dimming, compact, IP40, ceiling, flush mounted, microwave, presence/absence detector, up to 10 drivers/ballasts	17
	MWS6-DD	DALI/DSI digital dimming, compact, IP40, ceiling, flush mounted, microwave, presence/absence detector, up to 20 drivers/ballasts	
	MWS6-PRM	PRM switching, compact, IP40, ceiling, flush mounted, microwave, presence/absence detector	
	MWS6-PRM-2CH	PRM switching, compact, IP40, ceiling, flush mounted, microwave, presence/absence detector, 2-channel	
	MWS6-PRM-LV	PRM switching, compact, IP40, ceiling, flush mounted, microwave, presence/absence detector, low voltage	
	MWS6-PRM-VFC	PRM switching, compact, IP40, ceiling, flush mounted, microwave, presence/absence detector, volt free contacts	
	MWS6SM-AD	1–10V analogue dimming, compact, IP40, ceiling, surface mounted, microwave, presence/absence detector, up to 10 drivers/ballasts	18
	MWS6SM-DD	DALI/DSI digital dimming, compact, IP40, ceiling, surface mounted, microwave, presence/absence detector, up to 20 drivers/ballasts	
	MWS6SM-PRM	PRM switching, compact, IP40, ceiling, surface mounted, microwave, presence/absence detector	

Wall Mounted Microwave Presence Detectors

	Order Code	Description	PG
	MWS1A-IP-PRM	PRM switching, rugged, IP66, wall, surface mounted, microwave, presence detector	
	MWS1A-IP-PRM-LV	PRM switching, rugged, IP66, wall, surface mounted, microwave, presence detector, low voltage	20
	MWS1A-IP-PRM-VFC	PRM switching, rugged, IP66, wall, surface mounted, microwave, presence detector, volt free contacts	
	MWS1A-PRM	PRM switching, low profile, wall, back box mounted, microwave, presence detector	
	MWS1A-PRM-LV	PRM switching, low profile, wall, back box mounted, microwave, presence detector, low voltage	19
	MWS1A-PRM-VFC	PRM switching, low profile, wall, back box mounted, microwave, presence detector, volt free contacts	

Minus30 Low Temperature Detector Range

	Order Code	Description	PG
	EBDHS-AD-LT30	1–10V analogue dimming, long range, low temp, IP65, high level, flush mounted, PIR, presence/absence detector, up to 10 drivers/ballasts	
	EBDHS-DD-LT30	DALI/DSI digital dimming, long range, low temp, IP65, high level, flush mounted, PIR, presence/absence detector, up to 20 drivers/ballasts	12
	EBDHS-PRM-LT30	PRM switching, long range, low temp, IP65, high level, flush mounted, PIR, presence/absence detector	
	EBDHS-MB-AD-LT30	1–10V analogue dimming, long range, retrofit, low temp, IP65, high level, luminaire mounted, PIR, presence detector, up to 4 drivers/ballasts	
	EBDHS-MB-DD-LT30	DALI/DSI digital dimming, long range, retrofit, low temp, IP65, high level, luminaire mounted, PIR, presence detector, up to 10 drivers/ballasts	13
	EBDHS-MB-PRM-LT30	PRM switching, long range, retrofit, low temp, IP65, high level, luminaire mounted, PIR, presence detector	
	**EBDSPIR-AD-IP-LT30**	1–10V analogue dimming, compact, low temp, IP55, ceiling, flush mounted, PIR, presence/absence detector, up to 10 drivers/ballasts	
	EBDSPIR-DD-IP-LT30	DALI/DSI digital dimming, compact, low temp, IP55, ceiling, flush mounted, PIR, presence/absence detector, up to 20 drivers/ballasts	5
	EBDSPIR-PRM-IP-LT30	PRM switching, compact, low temp, IP55, ceiling, flush mounted, PIR, presence/absence detector	
	EBMPIR-MB-AD-LT30	1–10V analogue dimming, miniature, retrofit, low temp, IP65, ceiling, luminaire mounted, PIR, presence detector, up to 4 drivers/ballasts	
	EBMPIR-MB-DD-LT30	DALI/DSI digital dimming, miniature, retrofit, low temp, IP65, ceiling, luminaire mounted, PIR, presence detector, up to 4 drivers/ballasts	9
	EBMPIR-MB-PRM-LT30	PRM switching, miniature, retrofit, low temp, IP65, ceiling, luminaire mounted, PIR, presence detector	

KNX Presence Detectors

	Order Code	Description	PG
	EBDHS-KNX	KNX, long range, IP65, high level, flush mounted, PIR, presence detector	12
	EBDSPIR-KNX	KNX, compact, IP40, ceiling, flush mounted, PIR, presence/absence detector	5
	MWS3A-KNX	KNX, adjustable head, IP40, ceiling, flush mounted, microwave, presence/absence detector	15
	MWS6-KNX	KNX, compact, IP40, ceiling, flush mounted, microwave, presence/absence detector	17

Light Level Controls

	Order Code	Description	PG
	ALC-PRM-VFC	Compact, IP40, flush mounted, ceiling, photocell switch, PRM switching, volt free contacts	21
	ALC-DD	Compact, IP40, flush mounted, ceiling, photocell switch, DALI/DSI digital dimming	
	ALC-AD	Compact, IP40, flush mounted, ceiling, photocell switch, 1–10V analogue dimming	

Infrared Handsets

	Order Code	Description	PG
	UHS5	Compact, programming/commissioning handset	4
	UHS7	Compact, user handset	4
	UNLCDHS	Professional, programming/commissioning LCD handset	4

Accessories

	Order Code	Description
	DBB	Surface mount back box*
	MWS3A-DBB	MWS3A Surface mount back box BESA fixing**
	DBB-EXT	Surface mount back box extender BESA fixing*
	MWS3A-DBB-EXT	MWS3A Surface mount back box extender BESA fixing**
	EBDHS-DBB-WBRKT	EBDHS Wall mount bracket
	MWS3A-DBB-WBRKT	MWS3A Wall mount bracket**
	EBD-ENCIP1	IP65 detector enclosure*
	EXD-HSC	Extended wiring compartment for use with flush mounted detectors*
	EBDSPIR-MS	Adhesive masking shields (pack of 10)
	EBDHS-MS	Masking shields
	MWS3A-VPPC	MWS3A wall mount protective cover for use with wall mount bracket

*Compatible with EBDSPIR, EBDHS, ALC, MWS6 and EBDMR presence detectors.

**Also suitable for EBDRC.

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ISO 14001 Environmental Management EMS 534520
OHSAS 18001 Occupational Health and Safety Management OHS 642036

ESTA energy services and technology association

MEMBER KNX

CPD MEMBER Construction CPD Certification Service

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PM-STANDALONE-BROCHURE Brochure by MicroGraphix 16188