

# Occupancy sensors EE8

## The new occupancy sensor range

The Hager range of occupancy sensors detect infra-red radiation and ambient light levels to provide simple and cost effective means of lighting control.

The EE8 range of sensors should be mounted in the centre of the group of luminaires to be controlled and the optimum all round coverage is achieved with the unit mounted at a height of 2.5m. The coverage for these sensors at this height is approximately 5m diameter for small movement such as working at a desk, and 7m for larger movements such as walking.



### The advantages for you:

- Digital switching capability, up to 24 DSI or DALI ballasts.
- Integral photocell allows for lighting control which can provide energy savings by not operating when sufficient natural light levels exist.
- Wide operating range to suit most commercial applications. Allows overrun of lighting to be customised to installation.
- Available pre-wired, reduces installation time on site and requirement for non-standard cable.

### Technical data:

- Integral photocell 5 - 1000 lux
- Detection:  
5m high sensitivity detection  
7m motion detection
- Time out adjustment:  
2 min - 57 min with remote programmer  
1 min - 1 hour with potentiometer
- Pre-wired cable:  
3m 1.5mm<sup>2</sup> Low Smoke Zero Halogen for Relay model  
3m 0.75mm<sup>2</sup> Low Smoke Zero Halogen for Digital model

# Quick tips

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## Integral Photocell

Automatic lighting control which can provide energy savings by not operating when sufficient natural light levels exist.

```
110011001110
010110001101
010110010000
011011110110
110011001110
```

## Digital Switching

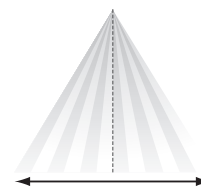
Up to 24 DSI or DALI ballasts.  
Automatic detection of ballast type.

2



## Potentiometers

Hidden behind a discreet sliding cover the potentiometers allow limited control of sensors.



## Detection

High sensitivity detection will react to small movements, such as somebody working at a desk. Motion detection will react to larger movements, such as walking.

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## Lux setting via remote

Allows set point to be increased or decreased in 100 lux steps on digital light fittings from the EEK001 remote programmer. Makes adjustment of photocell set point convenient.



## Programming Tool

Programming tool is easy to use with 2 memory settings to enable repeatability.

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## Time out adjustment

Wide operating range to suit most commercial applications. Allows overrun of lighting to be customised to installation.



## Remote Control

Comes with a wall mounting bracket for storage and allows room occupant to have control of lighting output.

- **Presence detection mode:**  
Allows lighting to be controlled ensuring that lighting is only energised when people are in the detection area.
- **Absence detection mode:**  
Requires lighting to be activated by a wall switch or remote control to switch lighting on. Lighting then remains on during presence and switches off after time out period from last presence detection. Offers potentially the best energy savings.
- **Wall switch override** allows lighting state to be changed between states or dimmed up and down on digital fittings.
- **5m high sensitivity detection** will react to small movements, such as somebody working at a desk.
- **7m motion detection** will react to larger movements, such as walking.
- **Integral photocell 5 - 1000 lux.** Lux setting can be increased and decreased in increments of 100 lux.
- **EE807 programming tool** is easy to use with 2 memory settings to enable repeatability.
- **EE808 remote control** comes with a wall mounting bracket for storage and allows room occupant to have control of lighting output.
- **Time out adjustment:**  
2 - 57 mins with remote programmer.  
1 min - 1 hour with potentiometer.
- **Switching capability - relay**  
Incandescent Halogen - 2300W.  
Halogen ELV via ferromagnetic or electronic transformer - 1500W.  
Compact Fluorescent - 23 x 23W.  
Parallel compensated fluorescent tubes - 1000W  
Fluorescent via electronic ballast - 1000W.
- **Digital switching capability.**  
Up to 24 DSI or DALI ballasts.
- **Walk test mode.**
- **Factory presets:**  
Lux = 400  
Time = 20 min  
Test mode for 2 min.
- **3m 1.5mm<sup>2</sup> Low Smoke Zero Halogen for Relay model.**  
3m 0.75mm<sup>2</sup> Low Smoke Zero Halogen for Digital model.
- **Can be flush mounted** through a 60mm hole, utilises spring clips to ensure a fast and secure mounting method.
- **All parts factory connected and tested.**
- **Time and photocell can be set** by controller EE807 or potentiometer.

### Time Adjustable Occupancy Sensors



EE816

Description	Pack qty.	Cat ref.
Standard Occupancy Sensor, Pre-Wired 3m	1	<b>EEK513W</b>
Standard Occupancy Sensor	1	EE815
Digital Occupancy Sensor, Pre-Wired 3m	1	<b>EEK523W</b>
Digital Occupancy Sensor	1	EE816
Surface Mount Kit	1	<b>EEK005</b>

### Programming Tool & Remote Controller



EE807



EE808

Description	Pack qty.	Cat ref.
Programming Tool	1	EE807
Remote Control	1	EE808