EEK510B

EEK001

Indoor Flush Mounting

The EEK510B is passive infrared occupancy sensor designed for use use primarily with suspended ceilings. The sensor has a 7m diameter detection area and is capable of having a wall switch override to allow the sensor to be configured as a presence or abscence detector. The configuration of the time delay before switching off and the luminosity level can set with potentiometers situated behind the descreet shutter with no requirement to remove the sensor from the ceiling. For more complex configurations the EEK001 programming tool should be utilised. To install the sensor as a surface mount product a surface mount accessory EEK005 is available.

High performance detectors EEK510B and EEK520B
High performance flush mounted presence detectors suitable for use in residential and commercial premises where energy control and/ or reduction is required.

EEK510B - detector ON/OFF
- Direct control of a light load.
- Lux level and ON delay setting via potentiometers or EEK001 remote control.

EEK001 - IR remote control
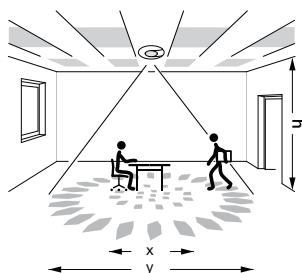• Installer remote control to commission settings.

EEK002 - IR remote control
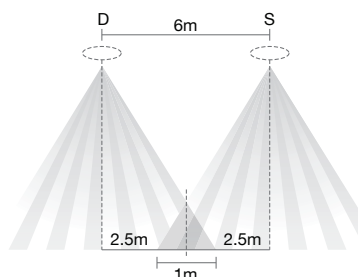• Customer remote control for override operation.

Complies with EN 60669-1 & EN 60669-2-1.

Description	Cat ref.
Flush Mount PIR Occupancy Sensor	**EEK510B**
Programming Tool	**EEK001**
Remote Control for the Customer	**EEK002**
Backbox Accessory for Surface BESA Detectors	**EEK005**

Detection areas

H	2.5m	3m	3.5m
X	5m	5m	5m
Y	7m	8m	9m

D ──6m── S

2.5m   2.5m

1m

Technical characteristics

Supply voltage	230V~ 50Hz
Detection Type	Presence
Detection (Length)	7m
Detection (Width)	7m
Detection angle	360°
Standby consumption	2.4VA/270mW
Duration of lighting output operation (S1)	1min to 1hour
Luminosity threshold	5 to 1000 Lux
Recommended installation height	2.5m
Operating temperature	-10°C to +45°C
Storage temperature	-20°C to +60°C
Insulation class	II
Protection rating	IP41

Table continued on next page.

Standards	IEC 60669-1 IEC 60669-2-1
Pollution degree	2
Connection stranded	0.5mm^2 to 1.5mm^2
Connection solid	0.5mm^2 to 1.5mm^2
Remote progamming	EEK001
Remote control	EEK002
Dimensions (L*W*H)	80mm x 80mm x 70mm

Lighting Loads 230V~ AC1	16A AC1 230V
Switching Capacity (Incandescent)	2300W
Halogen lamps LV	-
Halogen ELV (12 or 24V) via ferromagnetic or electronic transformer	1500W
Compact Flourescent	23 X 23W
LED	20 X20W
Parallel compenstaed flourescent tubes	1000W
Flourescent tubes non compensated	1000W
DSI/DALI ballast	-
Wall switch override	Normally open retractive