

317M High-Bay PIR Presence/Absence Detector

The High-Bay PIR Presence/Absence Detector, in conjunction with a Helvar lighting control system, provides automatic control of lighting loads in buildings and interior spaces with high ceilings. The 317M is typically installed in warehouses and factories. It also used in other applications where mounting heights are too high for standard sensors.

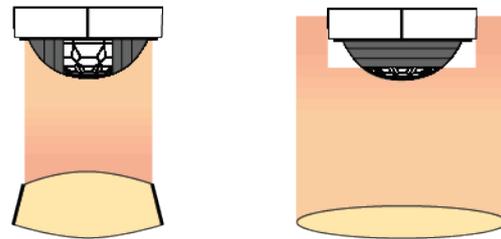
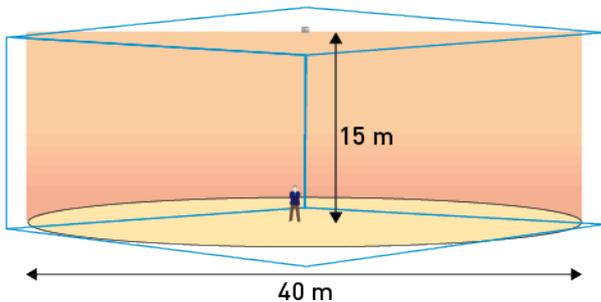
The unit is compatible with Helvar's lighting systems and configuration software, Designer and Toolbox. Once connected to a Helvar DALI network and lighting control system, the software automatically detects the unit, which can then be programmed with the required functions.

Key Features

- Controls lighting loads based on presence/absence detection.
- For mounting on high ceilings.
- Fitted into ceiling tiles (or false ceiling), or surface mounted.
- Clip-on masks to customise the detection area.
- Simple connection and integration into a Helvar DALI control network.
- Programmable in Designer and Toolbox.



Detection Pattern



Two adaptable clip-on shielding masks are supplied with the unit. Each can cover half of the sensor lens.

Lateral or radial strips can be cut out of these masks to customise the detection area. For information, see the *Installation Guide*.

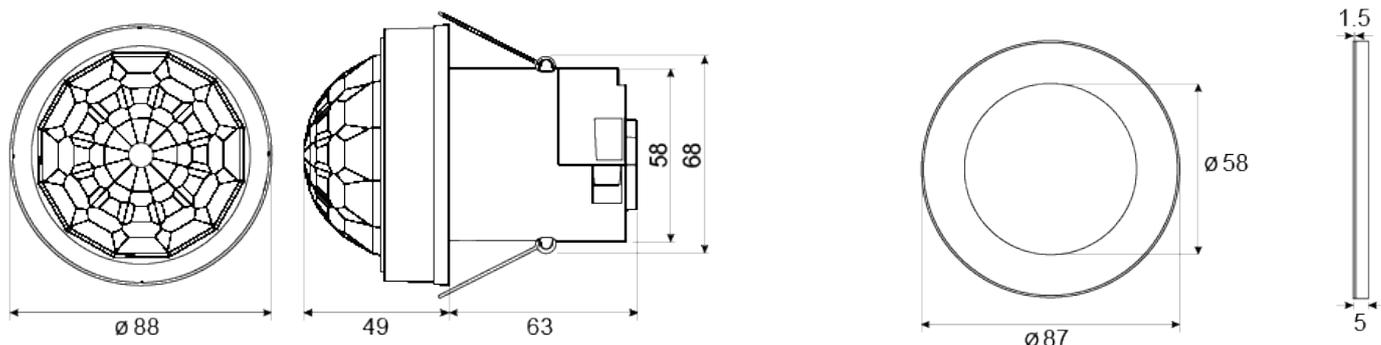
Installation

The 317M can be mounted into a ceiling void or onto a solid surface using an appropriate back box.

It can be used with Helvar's SBB-A back box for surface-mount, IP40 installation or with Helvar's SBB-P for surface-mount, IP65 installation.

For information on how to install the unit, see the *Installation Guide*.

Dimensions (mm)



Technical Data

Connections

DALI	Removable connector block
Wire section:	0.5 mm ² – 1.5 mm ² solid, flexible or stranded
Cable rating:	All cables must be mains rated.

Electrical data

DALI supply input:	13 V – 22.5 V
DALI consumption:	20 mA

Sensors

Presence detector:	Passive infrared (PIR)
Infrared receiver:	For remote control commands.  Note: Adjust sensitivity using Designer, or Toolbox (not by remote control unit).

Operating and storage conditions

Ambient temperature:	-30 °C to +35 °C  Note: The temperature difference between the detection target and the background must be at least 4 °C.
Relative humidity:	Max. 90 %, non-condensing
Storage temperature:	-30 °C to +70 °C

Mechanical data

Mounting hole diameter:	68 mm
Bezel diameter:	88 mm
Recommended clearance depth (incl. 50 mm for cabling):	80 mm (without protective cover); 100 mm (with protective cover)
Material (casing):	Flame retardant ABS and PC/ ABS
Finish/Colour:	Matt / White RAL 9003
Weight:	120 g
IP rating:	IP40 & IP65* * When the unit is mounted onto Helvar's SBB-P back box using the supplied gasket.
Gasket:	Silicone ingress protection gasket (not compatible with surface mount box SBB-A)
Masks:	Two adaptable masks included, each covering half of the sensor lens.

Conformity and standards

Conformity:	
EMC emission:	EN 55015
EMC immunity:	EN 61547
Safety:	EN 61347-2-11
Environment:	Complies with WEEE and RoHS directives.