

Wall-Mounted PIR Presence / Absence Detector (318)

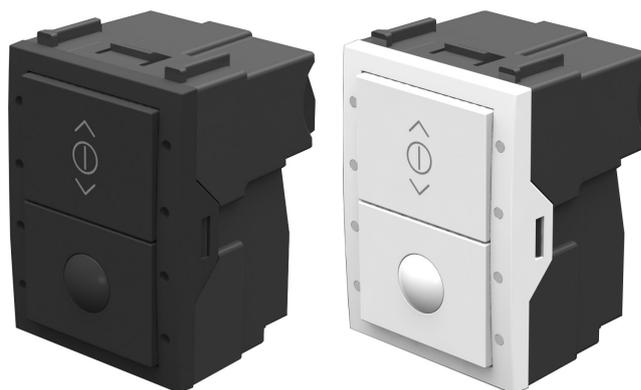
The 318 Wall Mounted PIR Presence / Absence Detector, used in conjunction with a Helvar lighting control system, provides automatic control of lighting loads in individual room spaces. Typically used in spaces such as cellular offices or small meeting rooms, the 318 is also suitable for other applications where a wall mounted sensor is preferred, or where the use of traditional ceiling mounted sensors is not possible.

A high-quality PIR (passive infra-red) sensor enables the 318 to reliably detect movement in the space. The detector can switch on lights when a space is occupied, and dim (if controllable lighting loads are installed) and switch off when the space is vacated.

As well as the PIR sensor, the 318 has a touch control button which allows manual override of the lighting on/off, and light level adjustment if dimmable lighting is being controlled.

The 318 is in the format of a standard Helvar panel module. The module can be used with a single gang panel surround to accommodate the 318 as a single unit. If used in the double gang surround, the 318 can be incorporated with up to two other Helvar panel modules.

As with all the other Helvar system sensors, the 318 is fully compatible with Helvar's lighting systems and configuration software, Designer™ and Digidim 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.



318B

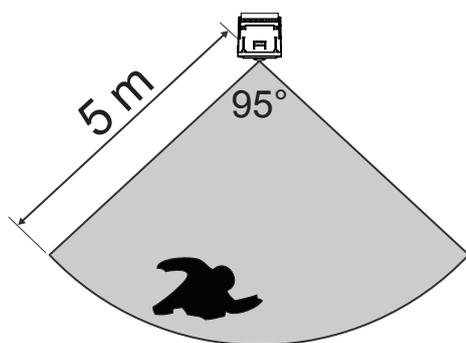
318W

Key features

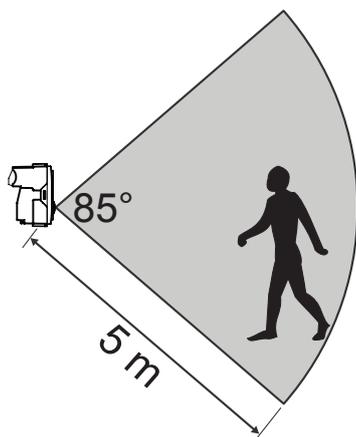
- Controls lighting loads based on presence/absence detection
- 5 m detection range
- Manual Override/Dimming button built in
- For wall mounting using Helvar panel surrounds
- Available in black or white finish to match the Helvar button panel range
- Simple connection and integration into a Helvar DALI control network
- Programmable in Designer™ and Digidim Toolbox™

Detection Area

Walk across



Walk towards

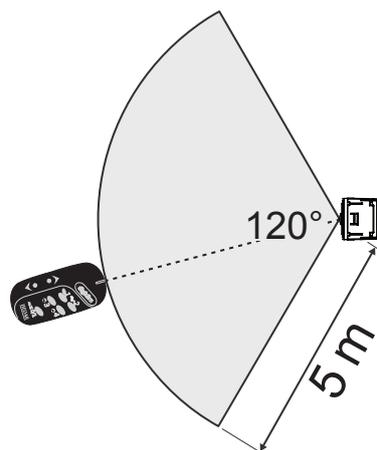


3D Viewer



Infrared Remote Control Range

Note: Helvar 303 remote control must be ordered separately.



Technical Data

Electrical

DALI consumption: 10 mA
 Isolation: Double isolation from DALI network

Connections

DALI: 2-part DIGIDIM connectors with paired terminals for simple link-through (supplied with 318 unit); 0.5 mm² - 2.5 mm² stranded or solid.

Sensors and status LED

PIR sensor: Mounted in fascia
 IR receiver: (36 kHz) for Helvar 303 remote control
 Status LED: Top left corner of fascia

Mechanical Data

Dimensions: See diagram
 Weight: 35 g
Material
 Case: Black flame-retardant ABS.
 Fascias: White and black flame-retardant ABS.
 IP rating: IP 30 (IP 00 at connectors)

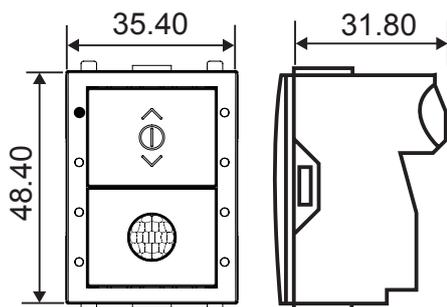
Operating and Storage Conditions

Ambient Temp: 0°C — +40°C
 Storage Temp: -10°C — +70°C
 Relative Humidity: Max 90%, non-condensing

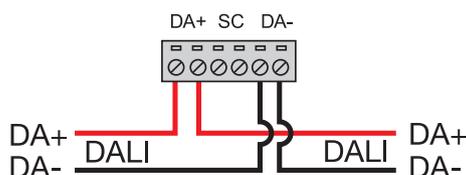
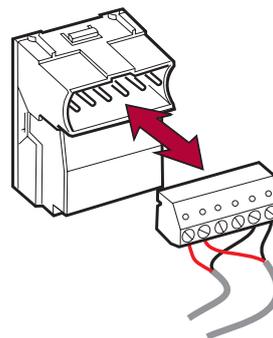
Conformity and Standards

DALI data transfer: DALI standard IEC60929, with Helvar extensions
 Emission: EN 55 015
 Immunity: EN 61 547
 Safety: EN 60 950
 Isolation: 4 kV
 Environmental: Complies with WEEE and RoHS directives

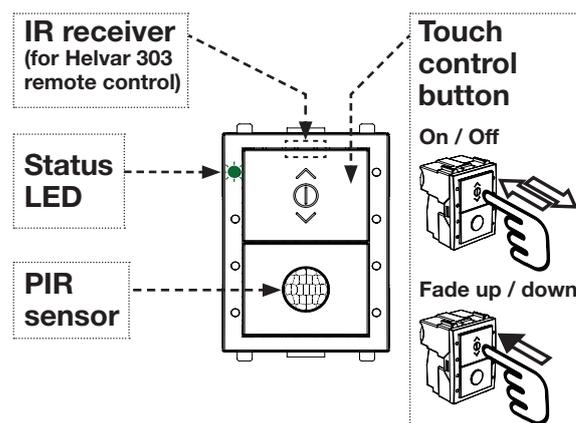
Dimensions



Connections



Front panel



Order codes

Black: 318B
 White: 318W