Product Data Sheet

Ceiling PIR Detector

digidim 311

The 311 Ceiling PIR Detector is a compact, flush-mounted ceiling unit which provides energy-saving functions when used in a DALI system.
The unit contains these sensors:
- Passive infra-red detector (PIR)
- Infra-red receiver (for 307 IR remote control handset).

As a presence detector, the unit can turn lights on when a room is occupied and off when the room is empty.

The unit is fully compatible with Helvar's lighting system design and control software; Designer, and DIGIDIM Toolbox.

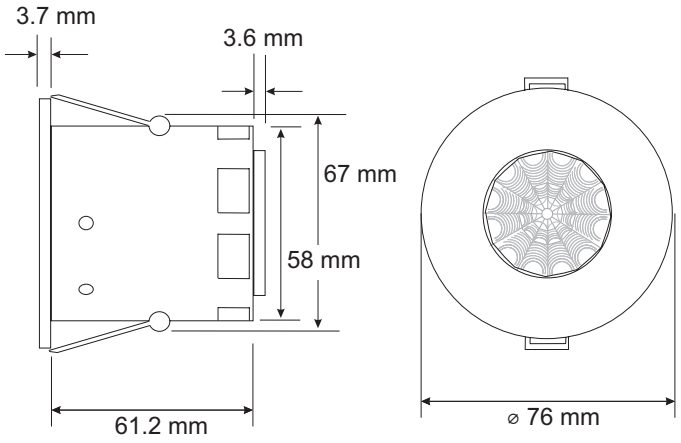
Key Features

- The PIR Sensor detects movement within the unit's detection range allowing load control in response to changes in room occupancy
- IR Receiver receives programming commands from the 307 infra-red handset (available separately)
- Programmable using the IR Remote. Full system access is available using Helvar's lighting system design and control software; Designer, and DIGIDIM Toolbox.
- Status LEDs which flash red to indicate the following:

Walk Test LED active	(R) *when movement is detected*
Valid setting received	(R)
Identify Active	(R) (R) (R) (R) (R) (R)

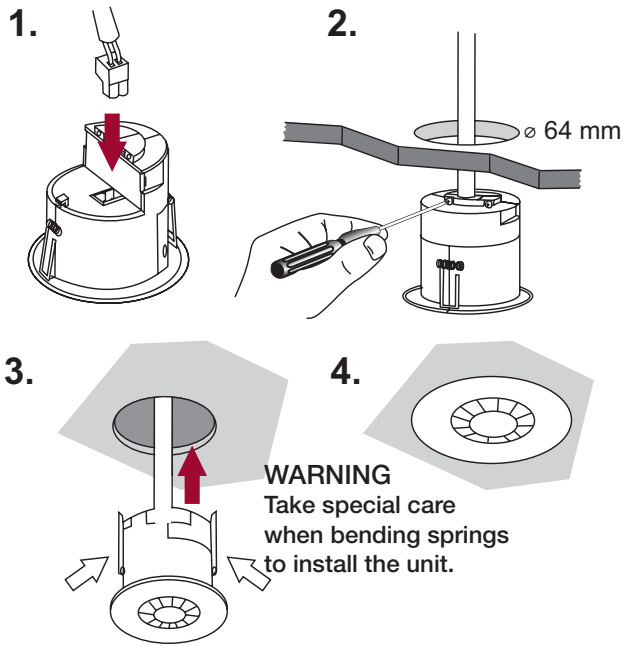
(R) = Red LED

Dimensions



Hole diameter: ⌀ 76 mm

Installation



Installation notes

- Position the sensor so that the occupants of the room are normally inside the detection zone.
- The detection pattern illustrated is based on a mounting height of 2.8 m. A lower mounting height will decrease the overall size of the detection zone.
- Do not position the sensor within 1 m of any lighting, forced air heating, or ventilation equipment.
- Do not fix the sensor to an unstable or vibrating surface.

Helvar
www.helvar.com

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Connections

DALI:	Removable 2-pole connector Wire size: 0.5 mm² - 2.5 mm² Solid or stranded
Power cable rating:	All cables must be mains rated

Power

DALI Supply Input:	13 V to 22.5 V
DALI Consumption:	15 mA

Mechanical Data

Dimensions:	See diagrams
Material (casing):	Non flammable ABS
Finish / Colour:	Matt / White
Weight:	58 g
IP rating:	IP30

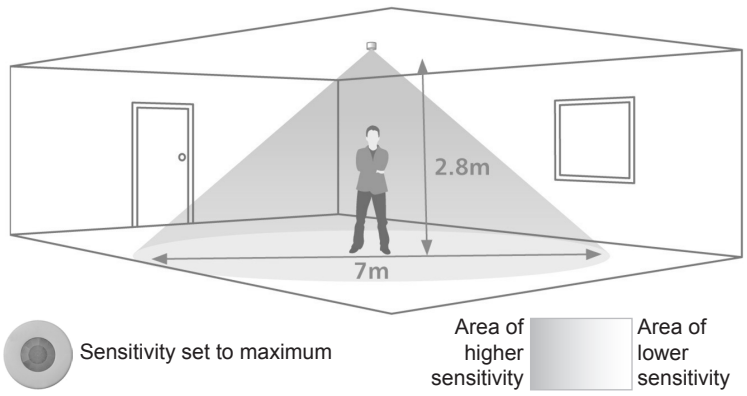
Operating Conditions

Ambient Temperature:	0ºC to 35ºC
Storage Temperature:	-10°C to 70°C
Relative Humidity:	Max 95%, non-condensing

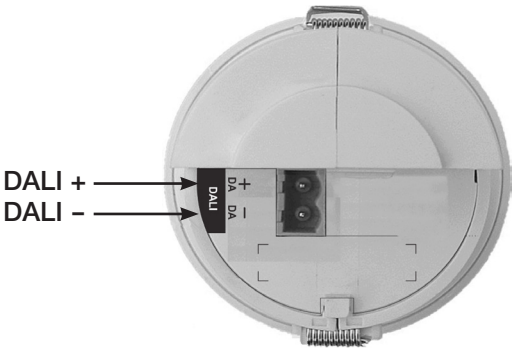
Conformity and Standards

EMC:	2004/108/EEC
LVD:	2006/95/EEC
Environment:	Complies with WEEE and RoHS directives

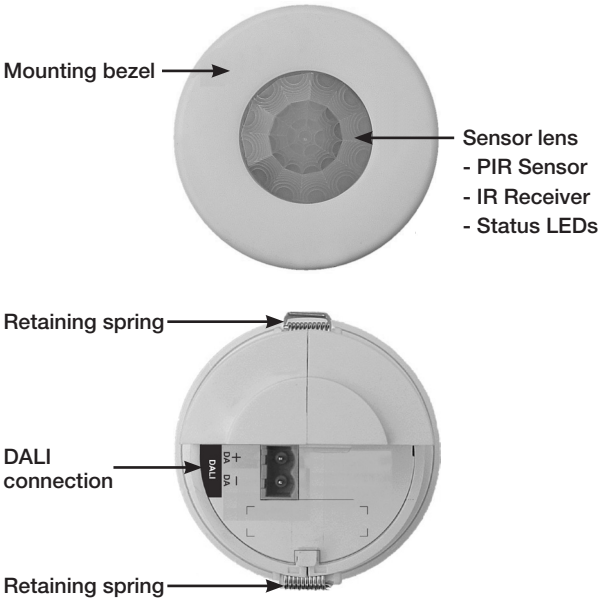
Detection pattern



Connections



Product Information



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