

PRE3201B-PRM

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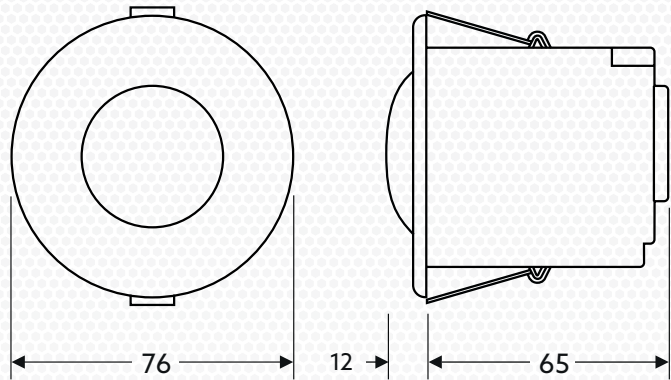
Long range ceiling-mounted PIR detector with IR setup



Cleverly simple
control of energy.



DIMENSIONS

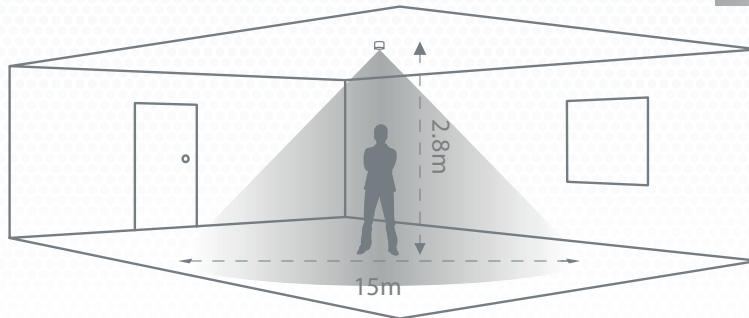


Warning

This device should be installed by a qualified electrician in accordance with the latest edition of the IEE wiring regulations. Identify the appropriate power supply and perform procedures to ensure the circuits are completely isolated. The supply should be locked in the OFF position and safe working practices should always be observed.

DETECTION PATTERN

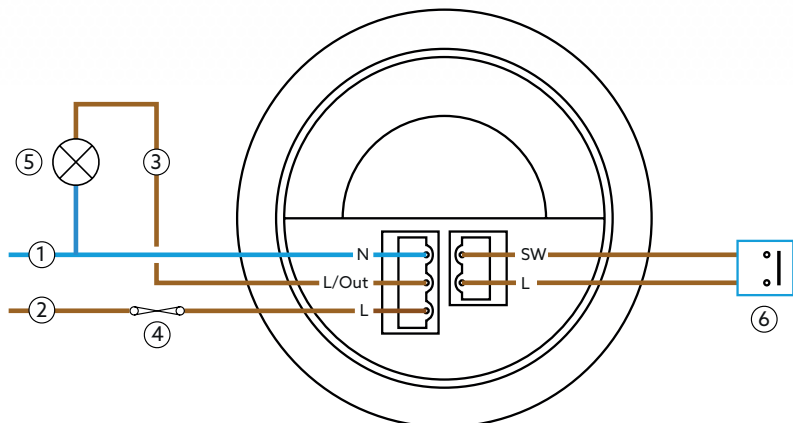
high < sensitivity > low



WIRING

Key

1. Neutral
2. Live
3. Switched output
4. 10A circuit protection if required
5. Load
6. Momentary push-to-make switch, 230V (for absence detection)



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PRESENCE OR ABSENCE DETECTION

The unit ships with presence detection as default.

- To change over to absence detection, press and release the external switch 5 times within the first minute of power up. The LED will turn on red for 30 seconds to indicate absence mode has been selected.
- To change back to presence detection, repeat the above procedure - the LED will flash red for 30 seconds to indicate presence mode has been selected.

To use absence detection a retractive (momentary) switch must be connected between the 2 terminals on the diagram. Note that this will be switching mains voltage.

Note: the above adjustments can also be made using the optional PRE5903 or PRE5901 handsets.

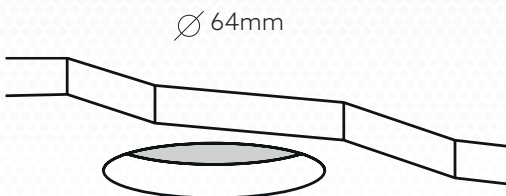
INSTALLATION

This device is designed to be flush ceiling-mounted.

- Do not site the unit where direct sunlight might enter the sensor.
- Do not site the sensor within 1m of any lighting, forced air heating or ventilation.
- Do not fix the sensor to an unstable or vibrating surface.

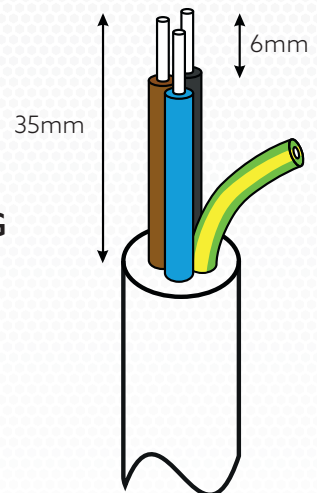
1 CREATE CUT OUT

Cut a 64mm diameter hole in the ceiling.



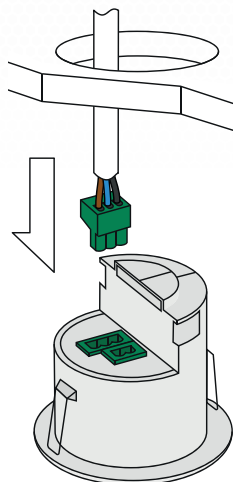
2 WIRE STRIPPING

Strip the wires as shown opposite. Presence detector does not require earth conductor.



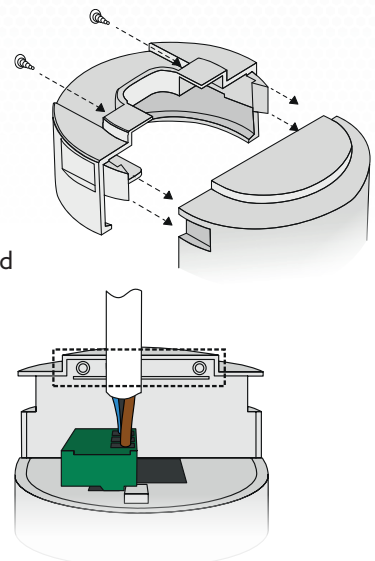
3 WIRE IN PLUGS AND CONNECT DETECTOR

Wire in plug/s, using wiring diagram on page 1 as a guide. Connect the plug/s to the detector.



4 CLAMP CABLE

Continue tightening the screws until the clamp bar snaps out and is tightly engaged against the cable/s. The cable clamp must clamp the outer sheath only.



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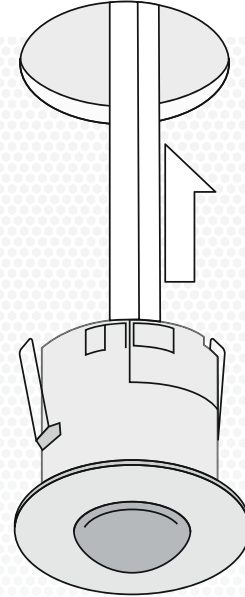
4

INSTALL DETECTOR

Bend the springs up and push detector through hole in ceiling.
When fully inserted the springs snap back to hold the device in place.



To avoid injury, take care when bending springs.



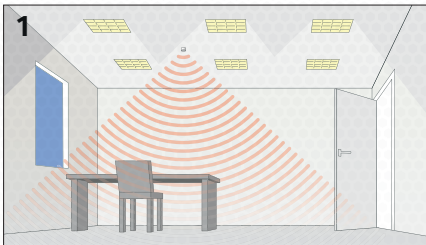
DEFAULT SETTINGS

Time out: 20 minutes.
LUX on level: 9
LUX off level: 9
Sensitivity: 9
Detection: Presence

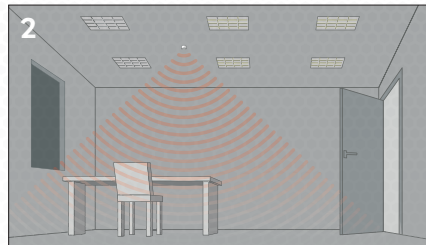
Adjustments can be made using the optional PRE5901 or PRE5903 handsets.

TESTING

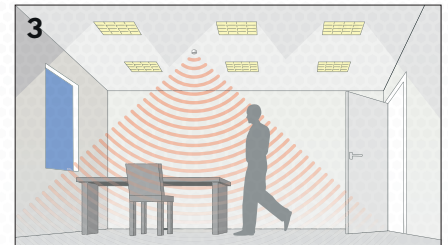
PRESENCE DETECTION



1. Power up the sensor. The load should come on immediately.

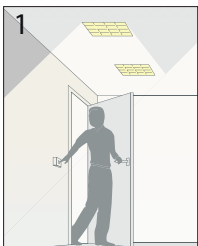


2. Vacate the room or remain very still and wait for the load to switch off (this should take fewer than 20 minutes).

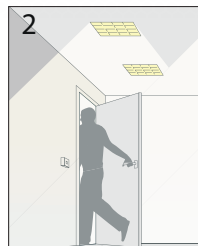


3. Enter the room or make some movement and check that the load switches on.

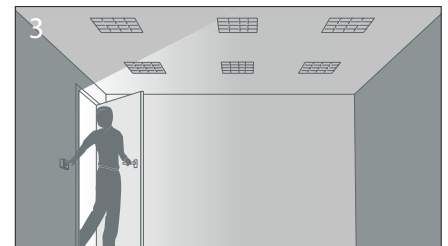
ABSENCE DETECTION



1. Power up the sensor
Switch the load on.



2. Vacate the room and wait for the load to switch off (this should take fewer than 20 minutes).



3. Enter the room, the load will remain off until you switch it on again.

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TECHNICAL DATA

Weight	0.100 KG
Supply Voltage AC	230 VAC +/- 10%
Supply Frequency	50Hz
Power consumption Parasitic	840mW
Terminal Capacity	2.5mm ²
Maximum Load	
Incandescent lighting	10A
Fluorescent lighting	10A
Compact Fluorescent lighting	10A
LED lighting	10A
Resistive heaters	10A
Fans and ventilation equipment	10A
Time out range	10s - 99m
Rated impulse voltage	2500V
Purpose	Sensing control
Construction	Independent flush mounted, electronic control
Type of action	Type 1.B action (micro disconnection)
Pollution	Degree 2
Software	Class A
Working temperature range	-10 to +30°C
Humidity	5 to 95% non-condensing
Material (casing)	Flame retardant PC/ABS
IP rating	40
Compliance	EMC-2014/30/EU LVD-2014/35/EU

ACCESSORIES

Part number	Description
PRE5901	Infra-red programming handset
PRE5903	Compact infra-red programming handset



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