

PRE7000

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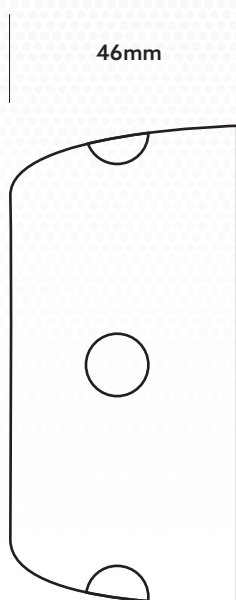
Air conditioning controller



Cleverly simple
control of energy.



90mm



46mm

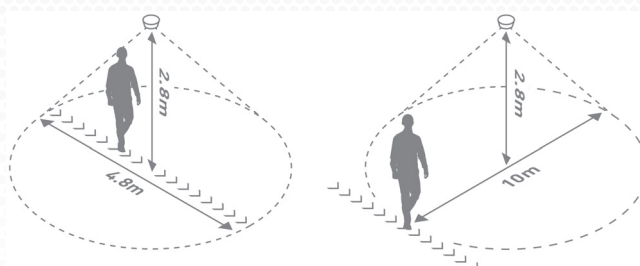
SPECIFICATION

Power supply	USB (5V DC) or 2xAA batteries (3V DC)
Construction	Independent, surface mounted, electronic control
Cable (external IR emitter)	1m 2 core
Software	Class A
IP Rating	IP40
Temperature	0°C to 40°C
Humidity	5 to 95% non-condensing
Compliance	EMC-2014/30/EU

Detection Pattern

Walk towards

Walk across



This device is designed to be ceiling mounted.

- Site the detector so that the occupants of the room fall inside the detection pattern, at a recommended height of 2.8m. The lower you install the sensor the smaller the detection range will be.
- 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.
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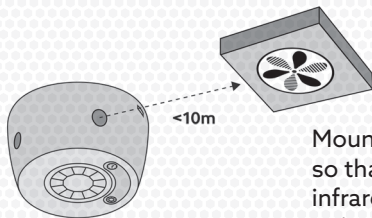
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Air conditioning controller

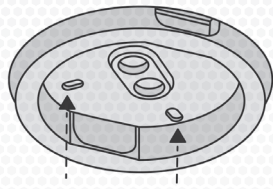


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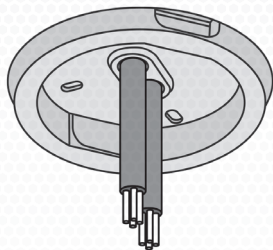
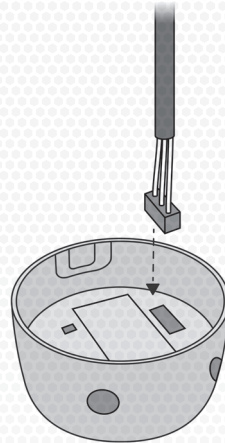


Mount the detector so that one of the infrared transmitters points directly at the air conditioning unit.

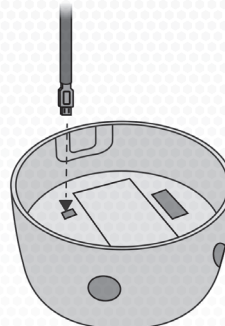
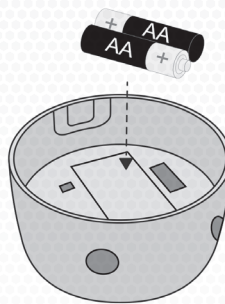
If there is no direct view of the air conditioning unit from one of the detector's infrared transmitters, connect an external IR emitter using the supplied cable.



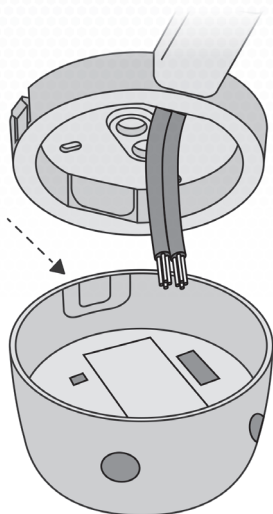
Screw the Mounting plate to the ceiling via the mounting holes. Note: Two holes are suitable for BESA boxes, two are suitable for UK or EU 60mm fixing backboxes.



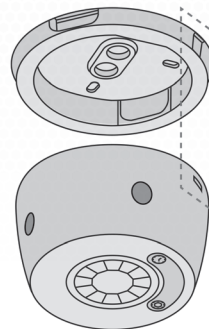
Pass cable through the mounting plate.



Connect the power supply, either external USB PSU (5V DC) or 2x AA batteries. When the battery is low the LED flashes every 20 seconds, and will not send an ON command. If you remove the batteries the device returns to its default settings and must be reprogrammed.

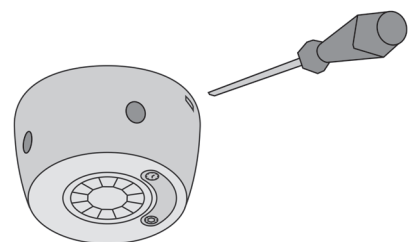


Pass cable through either of the two side entry points in the mounting plate. Knock-outs are on the sensor head to allow for clearing side entry of conduit and/or cables.



Push the sensor head onto the mounting plate and align clips with slots on sensor head.

To remove the sensor head, use a flat head screwdriver to prise it off the mounting plate.



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To learn proprietary infrared commands

ON:

Do NOT program this when only OFF command is required.

1. Press once to get the device ready to learn the air con ON command. This Learn mode is active for 10 sec.
2. Point the air conditioning controller at the device and send the ON command, as described by the manufacturer's instructions. If the command has been correctly learnt, the LED in the device flashes slowly; if not, it flashes quickly.

OFF:

1. Press twice to get the device ready to learn the air conditioning OFF command. This Learn mode is active for 10 seconds.
2. Point the air conditioning controller at the device and send the OFF command, as described by the manufacturer's instructions. If the command has been correctly learnt, the LED in the device flashes slowly; if not, it flashes quickly.

To lock the programmed settings

Press and hold either button or for more than 10 seconds to toggle between lock and unlock. This locks the sensor if the LED lights up while pressing the button. This unlocks the sensor if the LED doesn't light up but flashes once after 10 seconds.

When to switch off devices after the area is vacated

Press the Time button to set the time to wait before switching off devices in the circuit (default 20 minutes).

The number of presses sets the time:

# Presses	Time
1	10 seconds
2	5 minutes
3	10 minutes
4	20 minutes
5	30 minutes

The number of status LED flashes indicates the setting.

To find the current Time setting

Press and hold the Time button for more than 3 seconds. The number of LED flashes indicates the setting:

Number of flashes	Time
1	10 seconds
2	5 minutes
3	10 minutes
4	20 minutes
5	30 minutes



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To test or clear the learnt commands

The operations below will toggle in sequence.

- Press and hold for more than 3 seconds (but <10 sec). The air con will turn on if the ON commands has been correctly programmed. Do NOT program this when only OFF command is required.
- Press and hold for more than 3 seconds (but <10 sec). The air conditioning will turn off if the OFF command has been correctly programmed.
- Press button 6 x as momentary presses and the learnt infrared commands will be cleared as well as other stored settings. Status LED will flash 6 times to acknowledge the 6 presses and then flash once more when completed.

Commissioning

- Press the Time button once to select the 10 second timeout period.
- Remain very still for 10 seconds. The device should send the OFF command to the air conditioning.
- Make some movement. If the ON infrared commands are programmed, the device should send the ON command to the air conditioning.
- Leave the room. After 10 seconds the air conditioning switches off. After 5 minutes the detector automatically changes the timeout period to the default 20 minutes.

This device should be installed by a qualified electrician in accordance with the latest edition of the IEE Wiring Regulations and any applicable Building Regulations.



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