

Datasheet

RS Lighting Controller Detector, PIR, Ceiling Mount, 230 V ac, 76mm Diameter

Stock Number: 711-8568



The EBDSPiR-AT-PRM is a passive infrared (PIR) motion sensor combined with a switched output channel.

The output channel comprises a mains voltage relay capable of simple on/off switching.

Functioning as a presence detector, the unit can turn lights on when a room is occupied and off when the room is empty. Optional settings allow lights to be turned off in response to ambient daylight. The unit also includes stored scenes for versatile manual on / off control of lighting.

The EBDSPiR-AT-PRM can be used as a standalone unit or integrated with other devices as part of a system. The built-in RF transceiver allows wireless communication with all other An-10[®]

compatible products, e.g. the AT-BB-IN

Input Unit, useful for push-button scene selection and absence detection.

All functionality is fully programmable.

PIR Sensor

Detects movement within the unit's detection range, allowing load control in response to changes in occupancy.

IR Receiver

Receives control and programming commands from an IR (infrared) handset.

Light Level Sensor

Monitors the ambient light level, allowing load control based on minimum and maximum Lux Level.

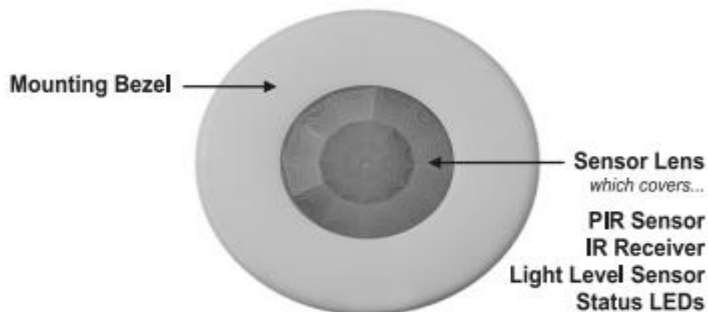
Status LEDs

These flash Red and/or Green to indicate the following:

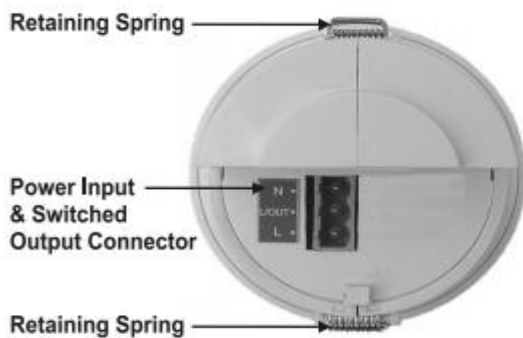
Power Input & Switched Output Connector (Channel 1)

Used to connect mains power to the unit and to connect a switched load.

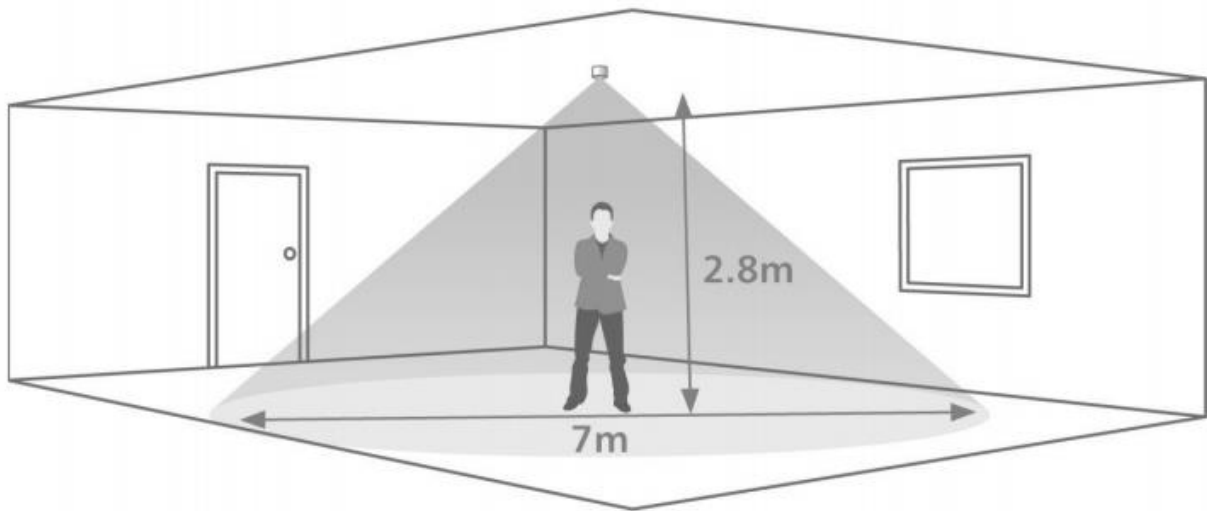
Front features



Back features



Detection pattern



Area of high sensitivity



Area of lower sensitivity

Detection pattern



Dimensions See diagrams opposite

Weight 0.1kg

Supply Voltage 230VAC +/- 10%

Frequency 50Hz

Maximum Load Channel 1 (switching):

10A of lighting and/or ventilation

including incandescent, fluorescent,

compact fluorescent, low voltage (by

switching the primary of transformer).

Terminal Capacity 2.5mm²

Receiver Class 2

Transmitter Duty Cycle <10% on g3 band (default band)

<0.1% on g2 band

<1% on g1 band

Range The maximum RF range between An-10

devices is 100m in free air and up to 30m

indoors. However the materials used within

a building will vary and this will impact upon

the RF range. In reality the nature of how

the An-10's hybrid-mesh works means that

in most scenarios the individual range of an

An-10 product will not be important.

Temperature 0°C to 35°C

Humidity 5 to 95% non-condensing

Material (casing) Flame retardant ABS Type Class 2

