



Electric Automation
Automation specialists

Riferimento: BSQ-PIR360

Parametri selezionati Altro INFO1 PIR rilevatore INFO2 Opus,
ø90 x40 INFO3 Alimentato dal Bus INFO4 PIR detector, 360°

Acquista da Electric Automation Network



PIR Sensor for Ceiling

BSQ-PIR360

Passive infrared detector (PIR) Motion detector by e.g. a person Indoor applications

Operating distance: 2.5 m to 4.0 m (depending on dipswitch settings) Operating

angle: 360°

Channel coding by BGP-COD-BAT Supplied by smart-house

Ceiling-mount or in Eurobox

GENERAL SPECIFICATIONS

Channel coding By BGP-COD-BAT and special

cable: GAP-TPH-CAB

No. of channels 2

Enclosure Plastic housing

Environment

Degree of protection IP 20

Pollution degree 3 (IEC 60664)

Operating temperature 0° to +50°C (+32° to +122°F) Storage temperature -20° to
+70°C (-4° to +158°F)

Humidity (non condensing) 20 - 80%

Weight 84 g

Dimensions

OPUS (WxHxD) ø 90 x 40 mm

Connection Screw terminals

Max. wire in terminals 4 x 0.75 mm²

Terminal D+. Signal

Terminal D- GND

Power-on delay Typ. 10 s

INPUT/OUTPUT SPECIFICATIONS

Inputs PIR on I/O 1

Lens

Angle 360°

Operating distance Depending on settings of DIP- switch 1 and 2

Wave length 7 to 14 μm

Input detection speed 5 pulses/s

Output

LED output Red LED on I/O 5

SUPPLY SPECIFICATIONS

Power supply Supplied by smart-house

Consumption < 8.0 mA

TYPE SELECTION

Supply Ordering no.

By smart-house BSQ-PIR360

MODE OF OPERATION

BSQ-PIR360 is a 2-channel monostable transmitter with a PIR detector, which operates by means of a dual-element detector.

The transmitter is activated if the temperature suddenly rises. The PIR detector is designed for ceiling-mount or in a Eurobox if springs are removed.

Slow movements between zones resulting in a detection speed of less than 0.5 pulses/sec will not be detected. Nor will rapid movements resulting in a detection speed of more than 5 pulses/sec be detected. As BSQ-PIR360 is a passive device, several detectors can be placed in the same room without interfering with each other.

LED indication (walk test):

When the DIP-switch 3 is 'Off', the LED follows the state of the

transmitter. When the DIP-switch is 'On', the LED will follow the status of the PIR

sensor, logically OR'ed with the state of the transmitter. I/O 5. If the PIR senses a heat movement, the LED lights up, and extinguishes when the PIR no longer detects a movement. If the transmitter is off, the LED

will follow the state of the PIR element. If the transmitter is on, the LED will follow the state of the PIR element.

The module should not be installed as follows:

- a) Outdoor.
- b) In places exposed either to sunlight or to motor vehicle headlights pointing directly at the sensor.
- c) In places exposed to direct air flow from a heater or air conditioner.
- d) In places where rapid temperature changes occur.
- e) In places exposed to severe vibration.
- f) Close to glass or other objects which might reflect the infrared radiation.
- g) For burglar detection.

Specifications are subject to change without notice (22.06.2010) - A product of the CARLO GAVAZZI Group