

Specifications

Supply Specifications

Power supply	Supplied by smart-house
	Rated operational current < 1.5 mA
	with walktest on
	< 1.1 mA
	with walktest off

Input/Output Specifications

Inputs	PIR on I/O 1
Lens	Dual detecting zones
Segments	24
Levels	3
Angle	90°
Operating distance	0.5 - 15 m
	(see radiation diagram)
Wave length	7 to 14 µm
Input detection speed	0.5 to 5 pulses/s
Output	
LED output	red LED on I/O 5

General Specifications

Power ON delay	Typ. 1 min. It is therefore advisable to keep the unit connected to smart-house.
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Environment

Degree of protection	IP 54 outdoor version IP 20 indoor version
Operating temperature	-20° to +50°C (+4° to +122°F)
Storage temperature	-30° to +70°C (-22° to +158°F)

Connection

Terminal D+.	smart-house signal
Terminal D-	GND

Material

Housing	Colour White
Lens	Polyethylene

Dimensions (WxHxD) 67 x 52 x 34 mm

Weight Approx. 110 g

Cable connection 2 x ø 5 mm



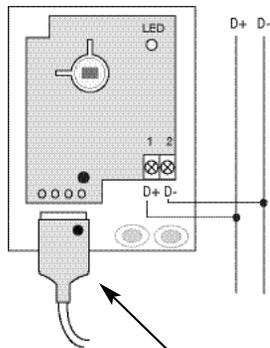
User Manual



PIR Detector

Type BSP-PIR90x

Wiring Diagram



BGP-COD-BAT programming



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Certified in accordance with ISO 9001

MAN BSP-PIR90x rev. 10-05.08

Mode of Operation

BSP-PIR90/BSP-PIR90A is a 1-channel monostable transmitter with a PIR detector, which operates by means of a dual-element detector.

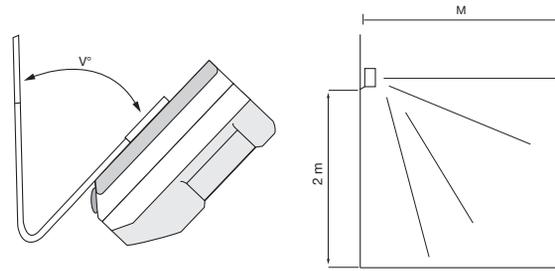
The transmitter is activated if the temperature suddenly changes (most often it will be heat radiation from a person) in relation to the background radiation. Consequently, the transmitter can be used for ON/OFF switching of lighting, air conditioning, etc. If a person moves within a detection zone, BSP-PIR90/BSP-PIR90A is activated.

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 BSP-PIR90/BSP-PIR90A is a passive device, several detectors can be placed in the same room without interfering with each other.

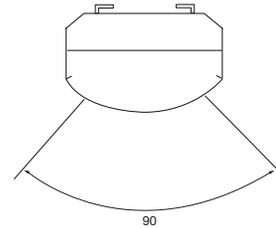
The module should not be installed in the following places:

- Outdoors. Only the BSP-PIR90 is designed to manage outdoor environment.
- In places exposed either to sunlight or to motor vehicle headlights pointing directly at the sensor.
- In places exposed to direct air flow from a heater or air conditioner.
- In places where rapid temperature changes occur.
- In places exposed to severe vibration.
- Close to glass or other objects which might reflect the infrared radiation.

Radiation Diagram (m)



M	15	7.5	4	3	1.5
V	0°	5°	10°	20°	45°



Dimensions

