PRESENCE DETECTOR

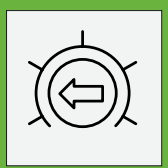
2 RELAY CHANNELS FOR LIGHTING, HVAC AND BUILDING AUTOMATION CONTROL

MY-P109-RR

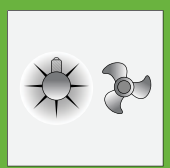
The mySmart MY-P109-RR Presence Detector utilises Passive Infrared technology to accurately detect presence with a range of up to 9 metres in diameter.

At mySmart, our sensors are designed to minimise energy use and cost without compromising user experience. Our easy to install MY-P109-RR sensor has two independent relay channels that can be connected to separate electrical phases for individual control of lighting, air conditioning or stepped shutdown. It provides superior and user friendly onboard adjustments as well as optional intuitive remote programming. Our innovative design provides cable strain relief, clear back cover for easy inspection and can be used with the MY-P109-S slave sensor for greater coverage. You can also choose from white and black fascias - available for master and slave sensor.

Lens shield for detection angle adjustment



User friendly Meter, Lux & Time adjustments

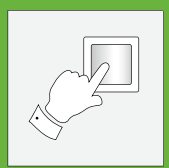


Dual loading for lighting & HVAC control respectively

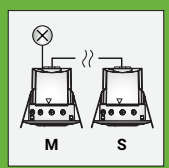
Handheld IR remote control – MY-R11 (optional)

Spring clamps for easy & quick installation

Surface Mount Collar – MY-SMC1 (optional)



Manual control enabled by using external push button switch



Master & Slave connection for expandinag detection coverage – MY-P109-S

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PRESENCE DETECTOR MY-P109-RR

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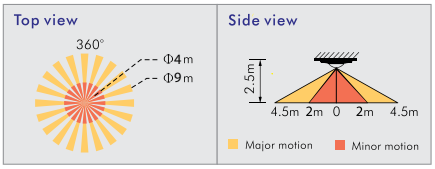
Features and Specifications:

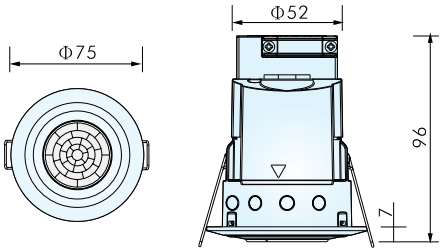
- Two available colours - white and black.
- Integrated sensor and relays in one unit with spring clamps for easy and quick installation.
- Two channels for controlling lighting and/or HVAC devices.
- Built-in walk test function to ensure correct coverage of desired detection field
- Red LED display for easy commissioning.
- Unique lens design provides 360° "no dead spot" detection angle.
- Adjustable lens shield for minimising or blocking detecting field.
- Optional IR remote control (MY-R11) for intuitive and quick settings.
- Preset Lux values or the ambient light level can be read-in by the sensor as the threshold for switching on/off the load.
- Additional function of manually switching on/off the controlled load is available by connecting to a push button switch.

Rated Voltage:	220-240V ~ 50/60Hz
Load:	
Load I (CH1) for Lighting:	
Incandescent Lamp:	Max. 2000W
AC Halogen Lamp:	Max. 1000W
LV Halogen Lamp:	Max. 1000VA / 600W
Fluorescent Lamp:	Max. 900VA / 100μF 25 x (1 x 18W); 12 x (2 x 18W) 15 x (1 x 36W; 7 x (2 x 36W) 10 x (1 x 58W); 5 x (2 x 58W) Max. 1000VA / 600W (uncompensated)
LED Lamp:	Max. 400W
Energy Saving Lamp:	Max. 600VA / 400W (include CFL and PL lamp)
Load II (CH2) for HVAC: (voltage free contact, Lux is invalid)	Max. 5A (cosφ =1) for ≤ 250VAC Max. 5A for ≤ 30VDC Max. 1A (cos φ = 0.4) for ≤ 250VAC
Incandescent Lamp:	Max. 2000W
AC Halogen Lamp:	Max. 1000W
LV Halogen Lamp:	Max. 1000VA / 600W
Fluorescent Lamp:	Max. 900VA / 100μF 25 x (1 x 18W); 12 x (2 x 18W) 15 x (1 x 36W); 7 x (2 x 36W) 10 x (1 x 58W); 5 x (2 x 58W) Max. 1000VA / 600W (uncompensated)
LED Lamp:	Max. 400W
Energy Saving Lamp:	Max. 600VA / 400W (include CFL and PL lamp)
Detection Range:	360°, Φ9m at height of 2.5m
Lux Adjustment:	Adjustable from approx. 10Lux to 2000Lux and 👁 (learning range: 10Lux - 2000Lux)
Auto Off Time Adjustment:	
Time 1 (for lighting):	Adjustable from approx. 5sec to 30min and Test & ⎍ - default is 15min
Time 2 (for HVAC):	Adjustable from approx. 10sec to 60min Adjustable from approx. 5sec to 30min and Test & ⎍ - default is 15min
Operating Temperature:	-20C to +45C
Environmental Protection	IP44

Detection Coverage:

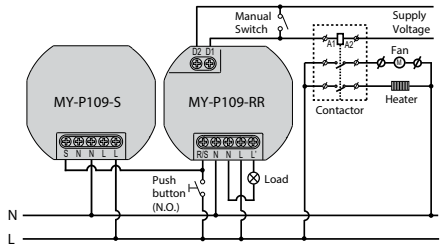


Dimensions: (mm)



Wiring Diagram:

Up to 10 slave detectors can be connected to master R/S terminal.



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