

## General Description:

PYM203 is a PIR wall switch module, which design to detect the infrared of emitted from human body within specified detection area by employed PIR sensor, then control the switch of AC power ON/OFF to turn ON/OFF the lighting, achieve the purpose of turn ON/OFF the lighting automatically without press the wall switch by hand.

Two AC power lines design (one AC power in and one AC power out), the AC power wiring arrangement of PYM203 PIR wall switch module is in series with lighting equipment, it is exactly identical to the traditional mechanical wall switch, so PYM203 PIR wall switch can replace the traditional mechanical wall switch without any power line changed, then the lighting system is changed to smart lighting system from traditional lighting system.

The external mounted design of PYM203 PIR wall switch module, can be fit into specified plastic cases, and mounted on the flat wall without the slot of wall switch or the slot is not meet the PYM202 mechanical design. The used Fresnel lens and PIR sensor by PYM203 PIR wall switch module can reach the horizontal FOV (Field of View) angle up to 120° and vertical FOV angle up to 70°, and the minimum sensing distance can reach up to 6 meters. PYM203 provides two AC power version, one is for 110 VAC power, the other is for 220 VAC power.

## Specification:

- Detect the infrared of emitted from human body within specified detection area, then control the switch of AC power ON/OFF to turn ON/OFF the lighting automatically.
- Two AC power lines design (one AC power in and one AC power out), so PYM203 PIR wall switch can replace the traditional mechanical wall switch without any power line changed
- Support lamp types: Incandescent lamp, Halogen lamp, fluorescent lamp, Compact Fluorescent lamp, PL lamp, LED lamp
- Maximum Support Power of Lighting:
  - ✧ Incandescent lamp: 500W
  - ✧ Halogen lamp: 150W
  - ✧ fluorescent lamp: 150W
  - ✧ PL lamp: 150W
- Support the horizontal FOV (Field of View) angle up to 120° and vertical FOV angle up to 70°, and the minimum sensing distance can reach up to 6 meters
- Support the delay time to turn off the lighting after turn on from 10 to 360 seconds
- Support the on board VR (Variable Resistor) to set the ambient brightness to enable PYM203 control function
- Provides two AC power version of modules, one is for 110 VAC power, the other is for 220 VAC power
- Operation Temperature: -20° ~ +70°C



PYM203 Module Top View

**Complete set with plastic case photo:**



**Front View**



**Inner View**

## Functions Description of connection pins and adjustable VRs



- ← Adjust VR for ambient brightness to enable control function: CW for increase brightness, CCW for decrease Brightness
- ← Connect to lamp AC Power Line input
- ← Connect to AC Power Line
- ← Delay Time Adjust VR: CW for increase delay time, CCW for decrease delay time

## Power Line Connection Diagram:

