

Passive Infrared Detector Work Operation description

This Infrared Detector (AC51532A) is a product which works on 9V Alka 1pcs battery, with built in sensor and a transmitter (433.92MHz,FSK modulate type), the transmitter can send signal to the control panel from the detecting 8-12 meters area after its sensor detects human body movement, then the transmitter will send signal to the control panel to trigger for alarming.

This product is with a switch, so you can turn it on or make it off for not work, it usually installed on wall about 1.5M height, after battery power on, its warming time is 30 seconds, within warming time, its sensor did not work, after warming time, it enter into mormal work and sensor also start to work, when there is human body move within the 8-12 meter detecting area about 110 degree angle, because human body is always sending infrared ray when moving, so the sensor will detect it there is a person appeared, and trigger the transmitter to send signal to the control panel to alarm. But if the human body not move, I mean if stopped, the infrared detect can not detect, and will consider there is no person.

After the infrared detector sending signal out, and alarming is controlled, it will be reset by itself and enter into normal status again.