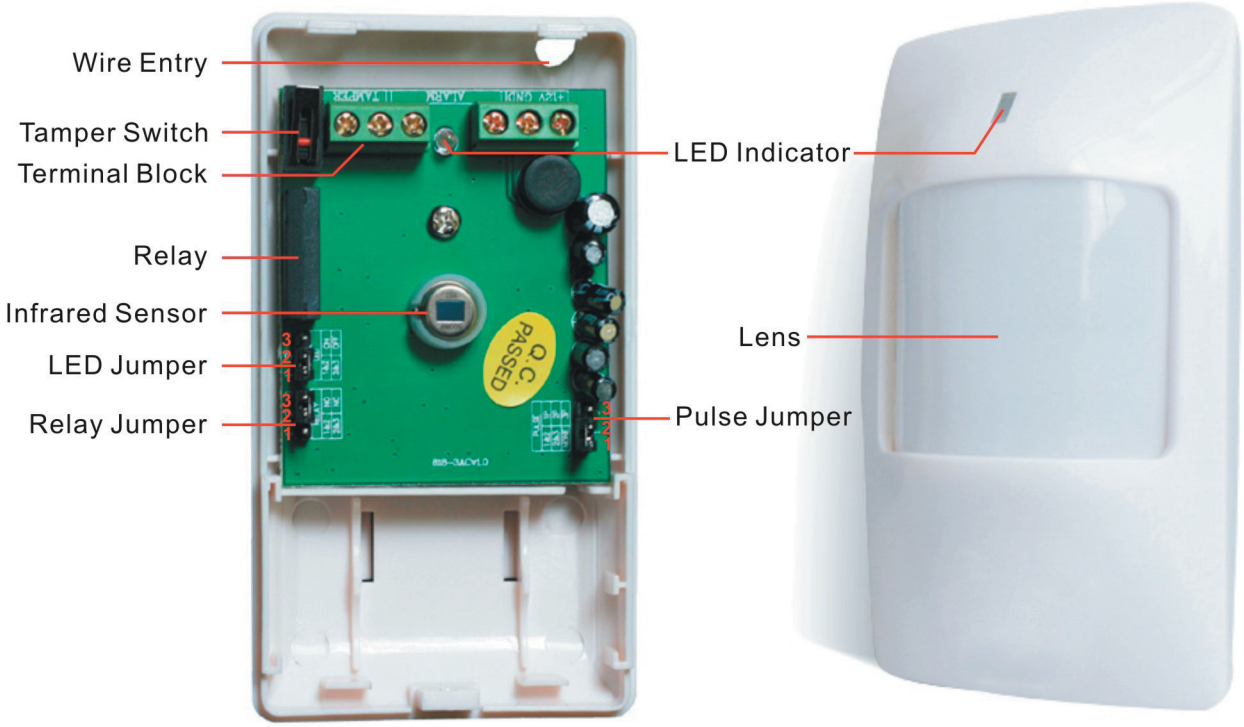
LS-818-3

Descriptions

Temco's Passive Infrared Occupancy Sensor is a low cost comercial and residential surface mount occupancy sensor. Advanced filtering reduces false triggering due to air movement and lighting changes. The sensor switches a dry contact which is wired to a separate controller. There is a tamper switch terminal as well, when the enclosure is opened up the central controller will be able to signal an alert.

Main Features:
- Intelligent logic control, anti false alarm efficiently
- Auto temperature compensation
- Pulse count adjustment
- Anti white light interference
- Anti RF interference (20V/m-1GHz)
- Fresnel lens
- Wall installation
- SMT design adopted
- Alarm output N.C./N.O. Optional

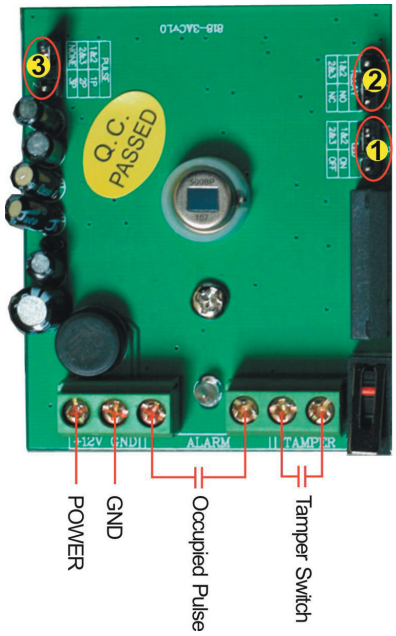
Product Profile



Technical Specifications

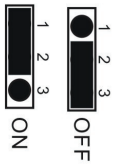
Operating voltage: 12VDC / 24 VAC
Current consumption: ≤18mA (24VAC)
Detecting distance: 12m
Detecting angle:110°
Self-testing time: about 60S
Operating temperature: -10~+50 °C
Alarm indicator: red LED
Alarm output: N.C.or N.O., DC28V, 100mA
Anti dismantle output: N.C., DC28V, 100mA
Range of coverage: 11 distance, 8 middle, 5 vicinities
Sensor: dual element infrared sensor
Operating temperature: -10 ~ +50 °C
Environment humidity: 95%RH (non condensing)
Anti RF interference: 10MHz ~ 1GHz 20V/m
Installation mode: wall mounted or hanged in corner
Installation height: 1.7 ~ 2.5m (2.2m is Proposed)
Outline Size: 59(L) * 39.5(W) * 107(H) mm

Terminal Block & Jumper Settings

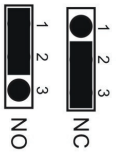


Jumper Settings:

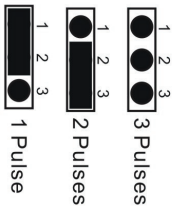
1 LED Jumper



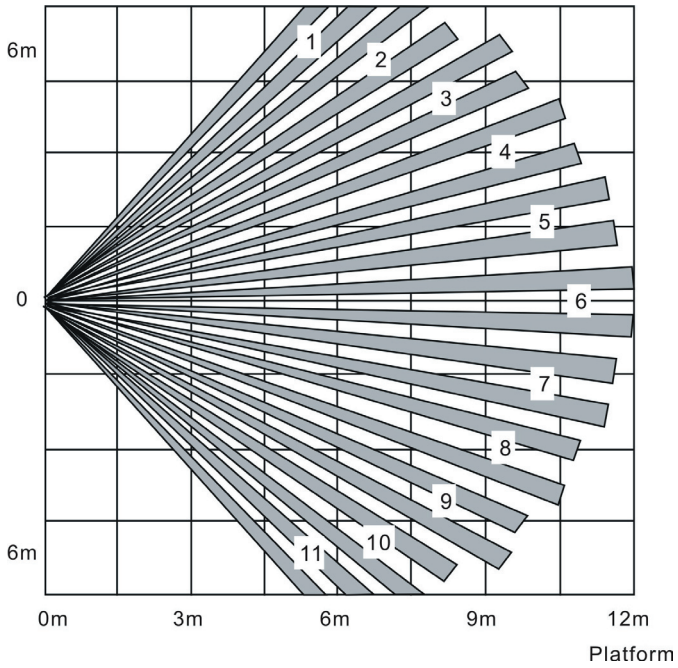
2 Relay Jumper

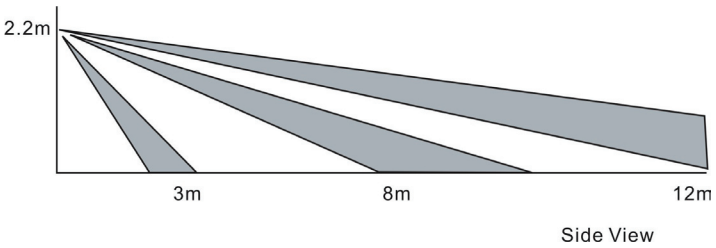


3 Pulse Jumper



Detecting Area View





Installation Notes

- Avoid installation at the out door,places with pets, air-conditioning nearby, direct sunshine, heat source and under rotating objects.
- Surface of installation should be firm with no vibration.
- Installing the detector in the place where intruder passes easily.

Installation Steps

1. Screw the detector bottom off, then open the detector.
2. Screw the PCB off, and remove the PCB.
3. Drill a wire hole in the rear housing.
4. Install the rear housing on the suitable position.
5. Connect the terminal block.

Operating Instruction

Function Setting:

1. Relay Jumper: Short N.C. or N.O. to set the state of alarm output. You should choose different alarm output in accordance with alarm host.

Short 1&2: N.O.

Short 2&3: N.C.

2. Pulse Jumper: You can adjust the sensitivity and anti RF interference by choosing the Pulse Jumper.

Short 1&2: class 1 pulse, the sensitivity and anti RF interference is general, adapt to general environment.

Short 2&3: class 2 pulse, the sensitivity is highest, and anti RF interference is high, adapt to the environment with strong RF interference.

Shut off: class 3 pulse, the sensitivity is low, and the anti RF interference is highest, adapt to the environment with exceeding RF interference.

3. LED Jumper: Control LED indicator, no effect of detector normal work.

Short 1&2: set LED ON

Short 2&3: set LED OFF

LED can be shut off for concealment of the detector after Test.

Product Setting:

Turning on power and LED indicator on, the detector comes into the state of self-check, it takes about 60 seconds, after that it is in the state of normal work. Corner should walk parallel with the wall installed detector in the testing area. LED lighting means the detector is in the state of alarm.

Notice

1. Please install and use the detector according to this manual, don't touch the surface of sensor to avoid affecting the sensitivity of the detector. Please shut off power and then clean the sensor by soft cloth with little alcohol if cleaning needed.

2. The product can reduce accident but may not perform as expected. The user is advised to take all necessary precautions for his/her safety and the protection of his/her property.

3. In order to ensure it can work normally, the power should be kept to supply and get on walking test periodically, once a week is better.

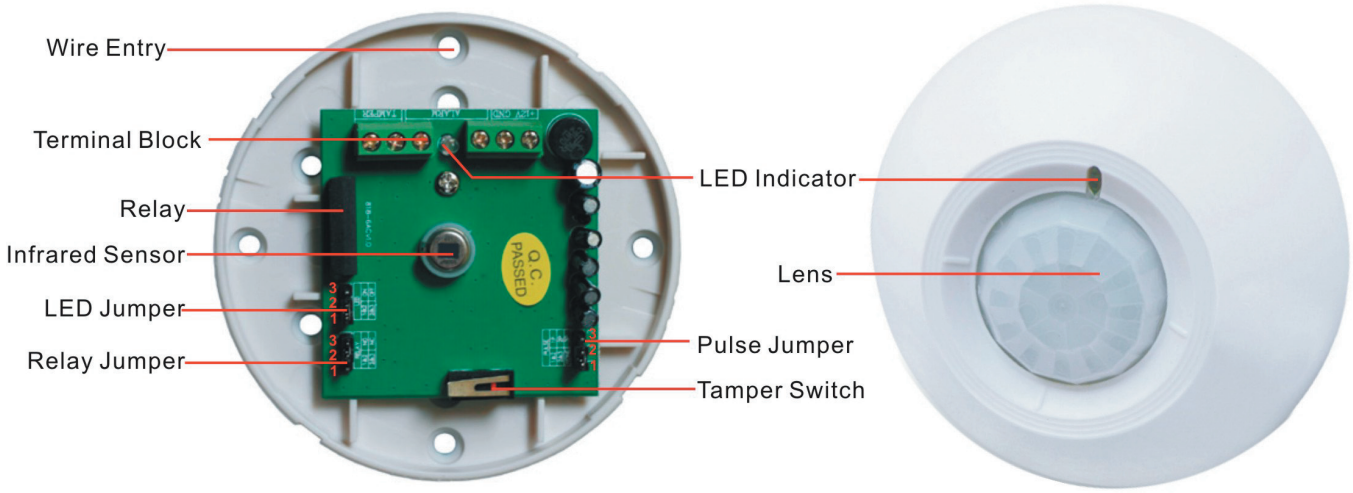
LS-818-6

Descriptions

Temco's Passive Infrared Occupancy Sensor is a low cost comercial and residential surface mount occupancy sensor. Advanced filtering reduces false triggering due to air movement and lighting changes. The sensor switches a dry contact which is wired to a separate controller. There is a tamper switch terminal as well, when the enclosure is opened up the central controller will be able to signal an alert.

Main Features:
- Intelligent logic control, anti false alarm efficiently
- Auto temperature compensation
- Pulse count adjustment
- Anti white light interference
- Anti RF interference (20V/m-1GHz)
- Fresnel lens
- ceiling installation
- SMT design adopted
- Alarm output N.C./N.O., Anti RF Interface

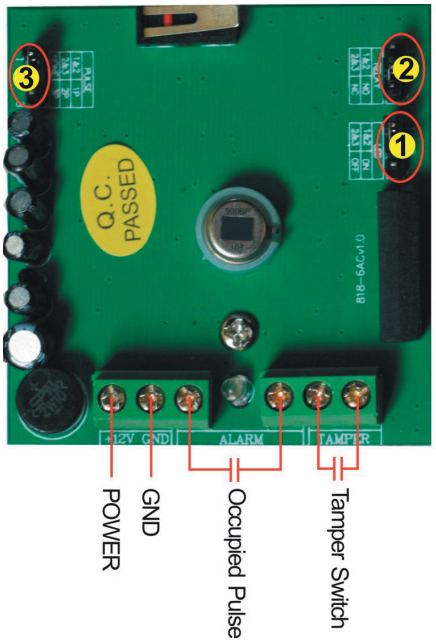
Product Profile



Technical Specifications

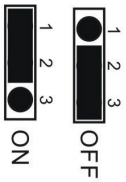
Operating voltage: 12VDC / 24 VAC
Current consumption: ≤18mA (24VAC)
Detecting distance: Diameter 8m (when height is 3.6m)
Detecting angle:360°
Self-testing time: about 60S
Operating temperature: -10~+50 °C
Alarm indicator: red LED
Alarm output: N.C.or N.O., DC28V, 100mA
Tamper output: N.C., DC28V, 100mA
Range of coverage: 24 distance, 24 middle, 6 vicinities
Sensor: dual element infrared sensor
Operating temperature: -10 ~ +50 °C
Environment humidity: 95%RH (non condensing)
Anti RF interference: 10MHz ~ 1GHz 20V/m
Installation mode: ceiling mounted
Installation height: 2.5 ~ 6m
Outline Size: 106(Dia.) * 36(Thickness) mm

Terminal Block & Jumper Settings

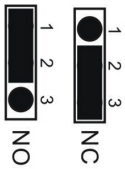


Jumper Settings:

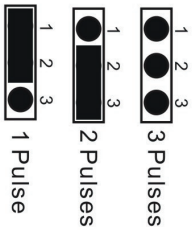
1 LED Jumper



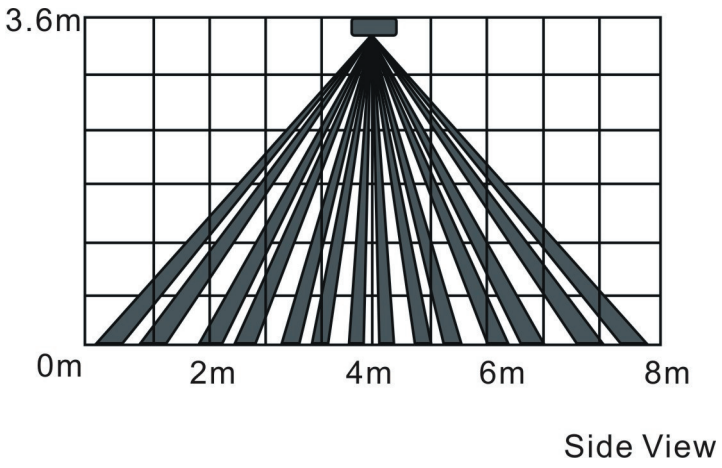
2 Relay Jumper



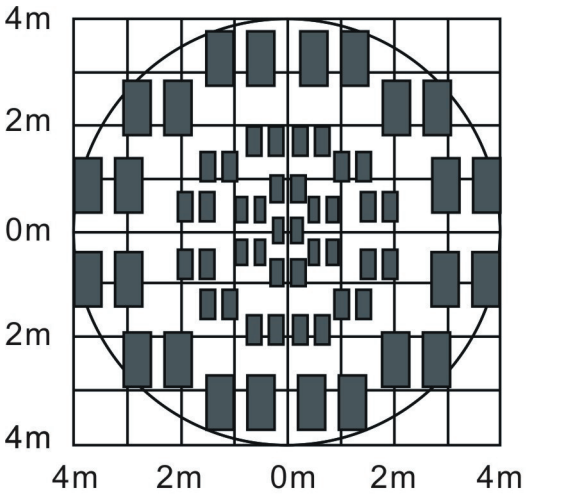
3 Pulse Jumper



Detecting Area View



Side View



Platform

Installation Notes

- Avoid installation at the out door, place with pets, air-conditioning nearby, direct sunshine, heat source and under the rotating objects.
- Surface of installation should be firm with no vibration.
- Installing the detector in the place where intruder passes easily.

Installation Steps

1. Turn the detector counterclockwise, remove the front cover.
2. Screw the PCB off and remove the PCB.
3. Drill a wire hole in the rear housing.
4. Install the rear housing on the suitable position.
5. Connect the terminal block.
6. Put back the front cover.

Operating Instruction

Function Setting:

1. Relay Jumper: Choose N.C. or N.O. to set the state of alarm output. You should choose different alarm output in accordance with alarm host.

Short 1&2: N.O.

Short 2&3: N.C.

2. Pulse Jumper: You can adjust the sensitivity and anti RF interference by choosing the Pulse Jumper.

Short 1&2: class 1 pulse, the sensitivity and anti RF interference is highest, adapt to general environment.

Short 2&3: class 2 pulse, anti RF interference is high, adapt to the environment with strong RF interference.

Shut off: class 3 pulse, the sensitivity is lower, and the anti RF interference is highest, adapt to the environment with exceeding RF interference.

3. LED Jumper: Control LED indicator, no effect of detector normal work.

Short 1&2: set LED ON

Short 2&3: set LED OFF

LED can be shut off for concealment of the detector after Test.

Product Setting:

Turning on power and LED indicator, the detector comes into the state of self-check, it takes about 60 seconds, after that it is in the state of normal work. Corner should walk parallel with the wall installed detector in the testing area. LED lighting means the detector is in the state of alarm.

Notice

1. Please install and use the detector according to this manual, don't touch the surface of sensor to avoid affecting the sensitivity of the detector. Please shut off power and then clean the sensor by soft cloth with little alcohol if cleaning needed.

2. The product can reduce accident but may not perform as expected. The user is advised to take all necessary precautions for his/her safety and the protection of his/her property.

3. In order to ensure it can work normally, the power should be kept to supply and get on walking test periodically, once a week is better.