PIR Detector - 1200W - 360°

Instruction Manual for IP20 rated PIR 360° Detector 1200W
for use on Industrial & Domestic Lighting Systems
Selectric Energy Savers Code: PIR360-FLU Infrared Motion Sensor

Introducing the Selectric Energy Savers Range Item PIR360-FLU infrared PIR motion detector.

The product adopts an excellent sensitivity detector and integrated circuit for ease of wiring. The device is saving-energy with a 360° detection radius. The product utilizes the infrared energy from a person or animal when in the range radius of the unit's detection field. It can identify day and night automatically, is easy to install and used in a wide variety of applications.

PRODUCT SPECIFICATION:

Power Source: 220-240V/AC
Power Frequency: 50Hz
Ambient Light: 3-2000LUX (adjustable)
Time Delay: Min.10sec±3sec
Max.15min±2min
Rated Load: Max.1200W Incandescent
300W LED
Installation Height: 1.8-2.5m
Installation cutout diameter 63 – 64mm

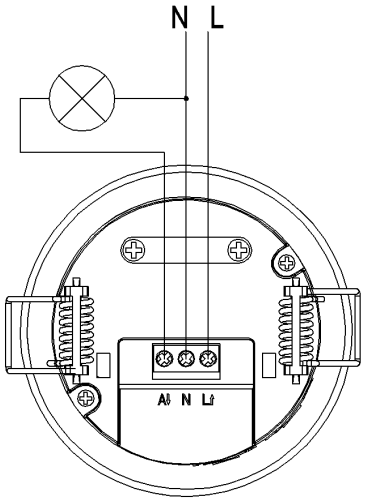
Detection Range: 360°
Detection Distance: 6m max(<24°)
Working Temperature: -20° +40℃
Detection Motion Speed: 0.6-1.5m/s
Power Consumption: Approx 0.5W Max
Power Consumption: Approx 0.1W Min
Detection Speed: 0.6-1.5m/s
IP20 rated suitable for use in the Garage or indoors

FUNCTIONALITY:

- The sensor can identify day and night: The user can adjust the working state in different ambient light. It can work in the daytime and at night when it is adjusted on the "sun" position (max). It can work in the ambient light less than 3LUX when it is adjusted to the "3" position (min). As for the adjustment pattern, please refer to TESTING THE UNIT below.
- Time-Delay is added continually: When a person or object moves continuously within the radius the light timer resets.

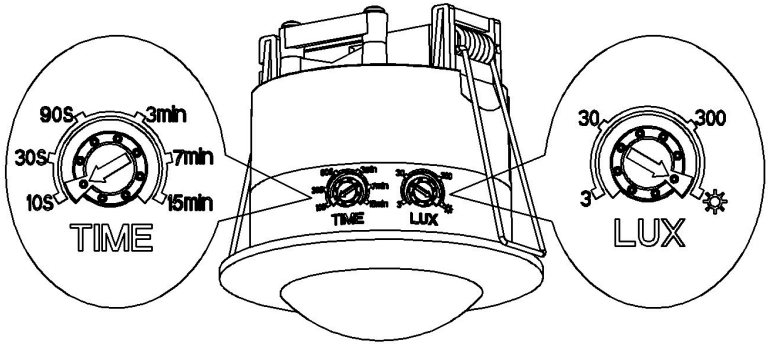
CONNECTION:

- Remove the transparent vinyl cover which covers the sensor's connection terminals.
- Loosen the screws in the connection terminals and using the correct cable, connect the wires accordingly (see figure 1).
- Clamp the cable down using the cord grip provided with two screws.
- Install back the transparent vinyl cover into the original position.
- Fold the metal spring of the sensor upwards, until they are in "I" position with sensor, and then put the sensor into the hole or installation box which has been cut out or installed prior to wiring.
- Releasing the spring, the sensor will be set in this installation position.
- After the sensor has been securely fitted, turn on the power and then test the unit.



Testing the Unit: (See figure 1A)

- Turn the TIME dial clockwise on to the minimum (-) while also turning the LUX dial clockwise to the maximum (sun).
- Switch on the power; the sensor and its connected lamp will have no signal at the beginning. After Warm-up 30sec, the sensor will start to work. If the sensor receives a signal within its radius, the lamp will turn on. When there is no signal to activate the lamp then it will turn off within 10sec±3sec.
- Turn the LUX dial anti-clockwise on the minimum (10S). If the ambient light is more than 3LUX, the sensor would stay off and the lamp will not turn off also. If you cover the detection window with an opaque object (towel, dark cloth etc), the sensor will work. When there is no signal within the radius of the unit then the sensor should turn itself off within 10sec±3sec.



Note: when testing in daylight, please turn LUX dial to the ☼ (SUN) position, otherwise the sensor lamp may not work. If the lamp is more than 60W, the distance between lamp and sensor should be 60cm at the least.

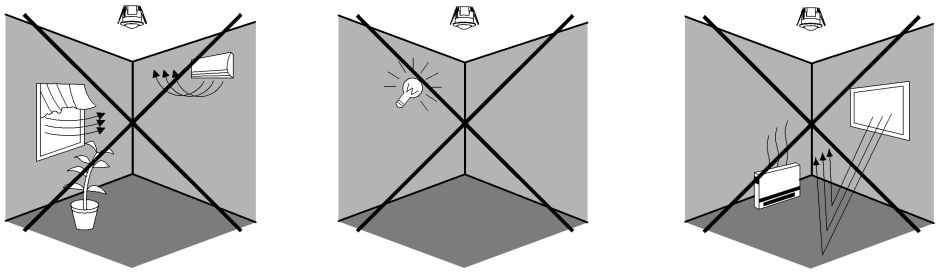
Problem Solving:

- If the load does not work:
  - a. Please check if the connection of power source and load is correct.
  - b. Please check if the load is good.
  - c. Please check if the settings of working light correspond to ambient light.
- If the sensitivity is poor:
  - a. Please check if there is any hindrance in front of the detection window which may affect the signal being received.
  - b. Please check if the ambient temperature is too high or too low.
  - c. Please check if the induction signal source is in the detection field.
  - d. Please check if the installation height corresponds to the height required in this instruction manual dependant on the wattage used.
  - e. Please check if the moving orientation is correct and no loose parts are showing which may affect the sensor.
- The sensor cannot shut off the load automatically:
  - a. Please check if there is continual signal in the detection field.
  - b. Please check if the time delay is set to the maximum position
  - c. Please check if the power / wattage corresponds to this instruction manual.

INSTALLATION ADVICE:

As the detector responds to changes in temperature, avoid the following situations:

- Avoid pointing the detector towards objects with highly reflective surfaces, such as mirrors, reflective glass, windows etc.
- Avoid mounting the detector near heat sources, such as central heating, heating vents, air conditioning units and artificial heat lamps etc.
- Avoid pointing the detector or locating the detectors in places where objects or household pets may continuously move.
- If in doubt always consult a qualified electrician before installation.



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