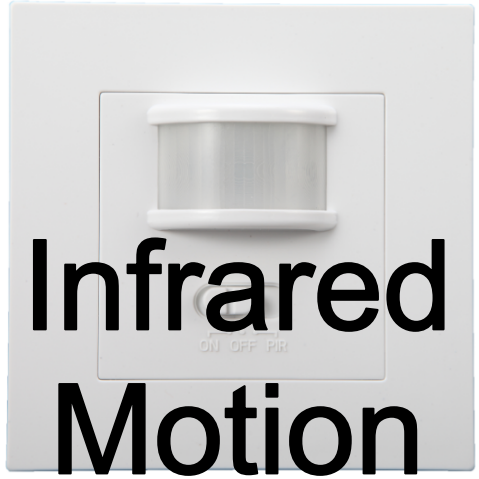


Infrared Motion ST02C

Instruction

Welcome to use ST02C infrared motion sensor!

The product adopts good sensitivity detector and integrated circuit. It gathers automatism, convenience, safety, saving-energy and practical functions. It utilizes the infrared energy from human as control-signal source and it can start the load at once when one enters detection field. It can identify day and night automatically. It is easy to install and used widely.

SPECIFICATION:

Power Source: 220-240V~ Detection Range: 160°

Power Frequency: 50/60Hz Detection Distance: 9m max(<24℃)

Ambient Light: <3-2000LUX (adjustable) Working Temperature: -20~+40℃

Time Delay: Min.10sec±3sec Working Humidity: <93%RH

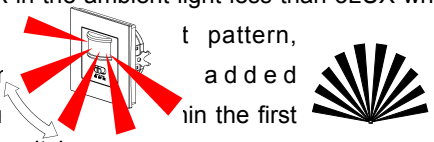
Max.7min±2min Power Consumption: approx 0.5W

Rated Load: Max.500W Installation Height: 1-1.8m

200W Detection Moving Speed: 0.6-1.5m

FUNCTIONS:

- Can identify day and night: The consumer can adjust 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 on the “moon” position (min). As for t pattern, please re attern.
- T i m a d d e d continua ceives the second indu in the first induction, e from the moment.
- The switch: “ON”、“OFF”、“PIR”.

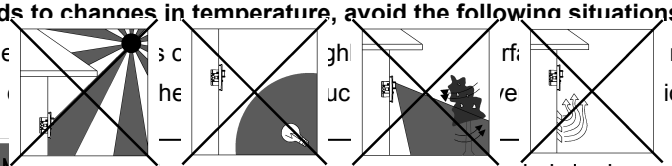


Good sensitivity Poor sensitivity

INSTALLATION ADVICE:

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

- Avoid pointing the de s c gh rf mirrors etc.
- Avoid mounting the (he uc re ioning units, light etc.
- A d WARNING or towards objects that may move in the wind, such as curtains, tall ts etc.



CONNECTION:

Warning. Danger of death through electric shock!

- Must be installed by professional electrician.
- Disconnect power source.
- Cover or shied any adjacent live components.
- Ensure device cannot be switched on.
- Check power supply is disconnected.

- Unload the faceplate of sensor and adjust the time and LUX knob.(refer to figure 1)
- the conne nd then cor to connection ording to c agram.
- in circular l sor into the h e splay bolt on gure 2). If all in quadrat sensor into the ough the m r to figure 3).
- ate, switch then test it.

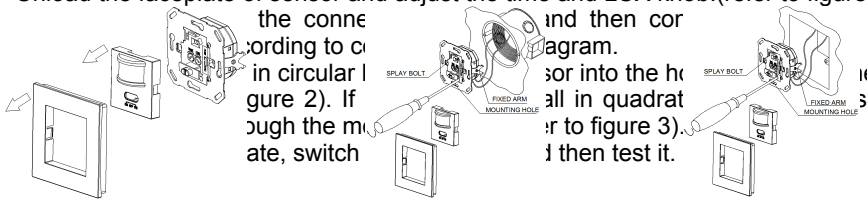
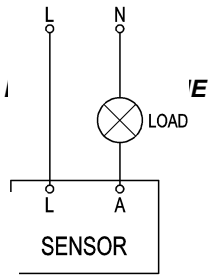


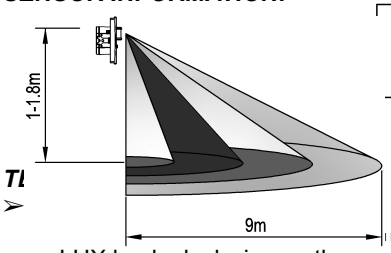
Figure1 Figure2 Figure3

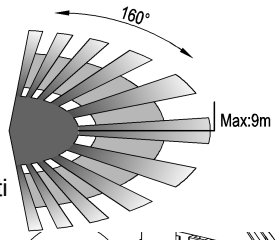
CONNECTION-WIRE DIAGRAM:
(See the right figure)



E SENSOR
INTO POWER DIRECTLY!!!!!

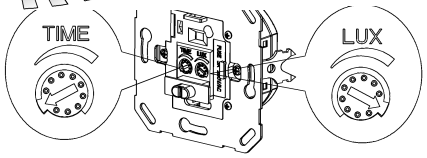
SENSOR INFORMATION:





TI

- ➢ the Detecti
  minimum. Turn the LUX knob clockwise on the maximum (sun).
- ➢ Switch on the power, the lamp should be on.
- ➢ Set the function switch to “ON”, the lamp will keep working.
- ➢ Set the function switch to “OFF”, the lamp should be off immediately.
- ➢ Set the function switch to “PIR”, Switch on the power; the sensor and its connected lamp will have no signal at the beginning. After Warm-up 30sec, the sensor can start work .If the sensor receives the induction signal, the lamp will turn on. While there is no another induction signal any more, the load should stop working within 10sec±3sec and the lamp would turn off..
- ➢ Set “LUX” anti-clockwise to minimum, if the ambient light is more than 3LUX, the inductor load should not work after the load stop working. If the ambient light is less than 3LUX (darkness), the sensor would work. Under no induction signal condition, the load should stop working within 10sec±3sec.



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

SOME PROBLEM AND SOLVED WAY:

- ➢ 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.
- ➢ The sensitivity is poor:
  a. Please check if there is any hindrance in front of the detector to affect it to receive the signals.
  b. Please check if the ambient temperature is too high.
  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 the instruction.
  e. Please check if the moving orientation is correct.
- ➢ The sensor can not 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