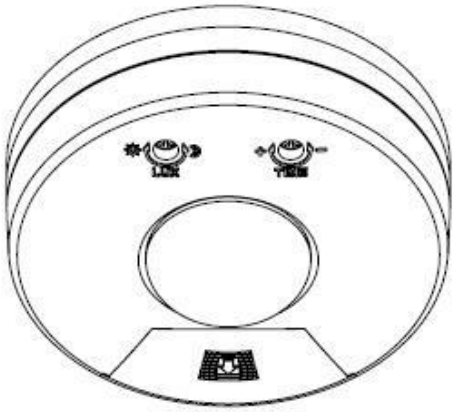
INFRARED SENSOR INSTRUCTION

GLD-511TL-220

PLEASE READ AND SAVE THIS MANUAL

General:



The product is the new energy-saving switch adopted integrated circuit and the good sensitivity detector. It incorporates automatic, convenient, energy-saving, safe and practical. It works by human motion infrared rays. It can start the controlled load at once when body enters detection field. It can identify day and night automatically. Its installation is very convenient and using range is wide.

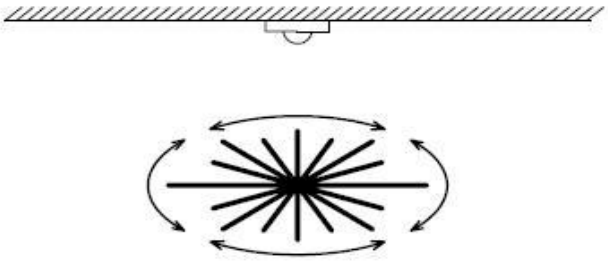
SPECIFICATIONS:

- Power source: 90V/AC~240V/AC
- Power frequency: 50~60 Hz
- Detection distance: 6m max (<22□)
- Detection range: 120°(side view) 360°(top view)
- Light-control: 3LUX ~ 1000lux (adjustable)
- Time-delay: 10±5sec ~ 6±1min (adjustable)
- Rated load: Maximum 1500W incandescent lamp (resistive load/220V/AC)

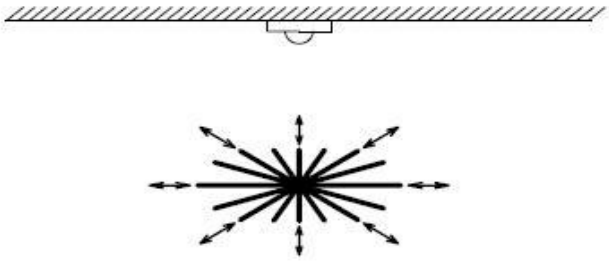
  Maximum 500W fluorescent lamp (inductive load/220V/AC)
- Installation height: 2-4m
- Power consumption: 0.5W (static 0.1W)
- Detection motion speed: 0.6~1.5m/s
- Working humidity: <93%RH
- Working temperature: -20~40□
- Dimension: Diameter: 90mm High: 28mm

FUNCTION:

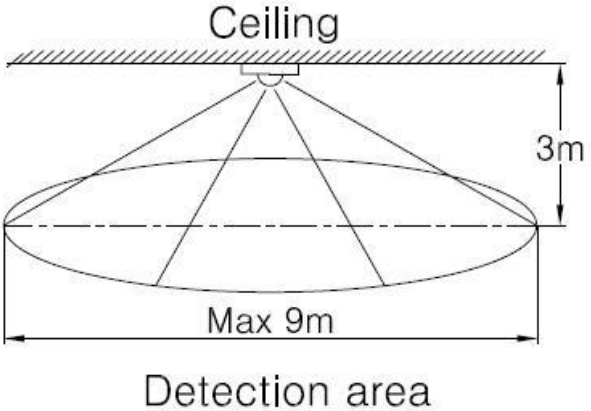
- ☐ Practicality: It can work in various ambient-light day and night; Time-delay can be adjusted by yourselves in stipulated range.
- ☐ Good appearance: The surface design is facility, comely but not losing generosity, the style is elegance, it will not have accident feeling after installed.
- ☐ Wide working voltage: 90V/AC~240V/AC 50~60Hz. You will not be worried all over the world if you carry VST-PD511TL.
- ☐ Convenient installation: The bottom-stand is fixed on the selected position with inflated screw.
- ☐ Adjusting the Lux control: The Lux control has a built-in photosensitive component that detects daylight and darkness. Turning the control towards the [sun] symbol will result in the unit switching in all light levels. Turning the control towards the [moon] symbol will result in the unit switching only in reduced light. Set the unit to switch at the desired light level using this control.
- ☐ Adjusting the duration time: The duration time is the length of time for which the load remains energized after the sensor has been triggered. This time can be adjusted from 10±5 seconds to 6±1 minutes. Turning the control from the [+] symbol to the [-] symbol will reduce the duration time.



Movement direction with greatest sensor sensitivity



Movement direction with least sensor sensitivity

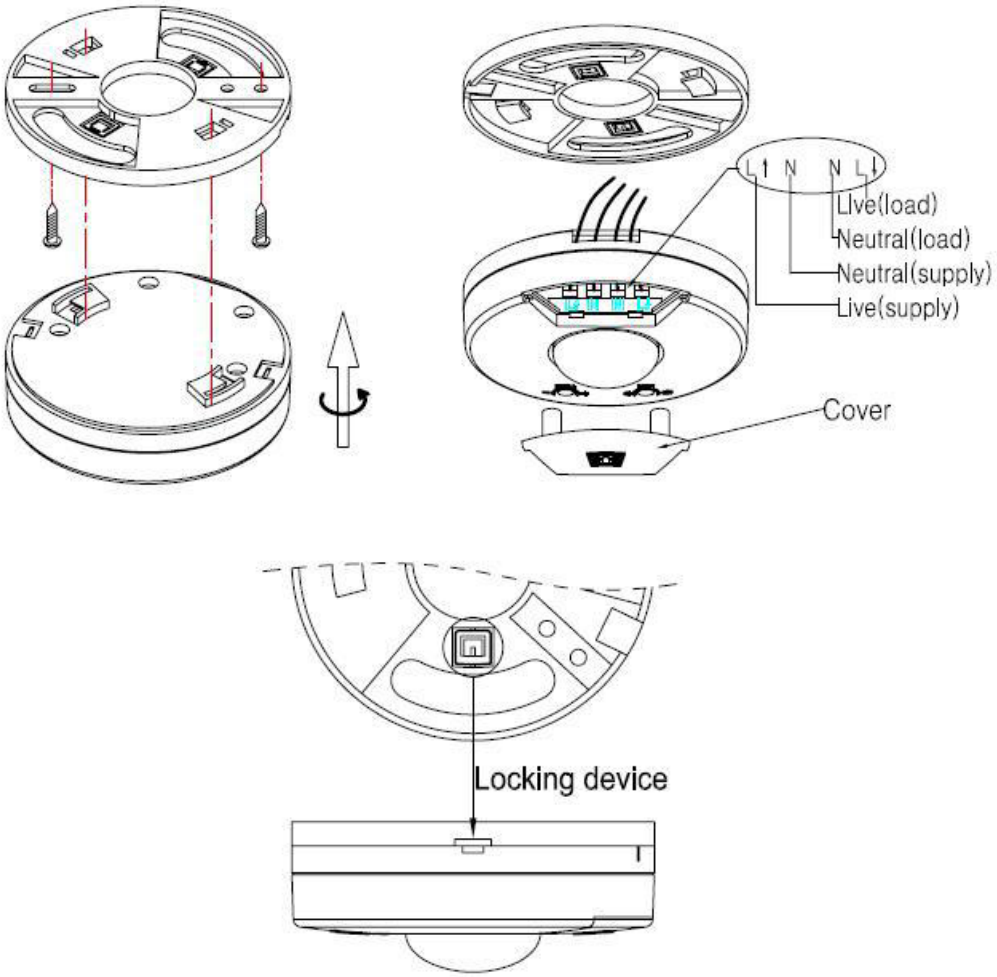


Detection area

INSTALLATION:

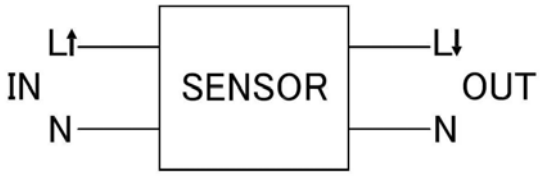
- ☐ Choose the location for your new PIR switch according to the conditions listed above.
- ☐ Switch off the power.
- ☐ Turn anti-clockwise the bottom-stand and take off it. The power wires are crossed from the hole in the bottom-stand.
- ☐ The bottom-stand is fixed on the selected position with inflated screw.
- ☐ Take off the cover and connect the power supply cords and load cords with 4 connection-wire columns according to the connection-wire diagram, and then fix on the cover.

☐ The sensor aimed at the mouth of bottom-stand and turned clockwise, at last, put on the locking device in the side of the sensor.



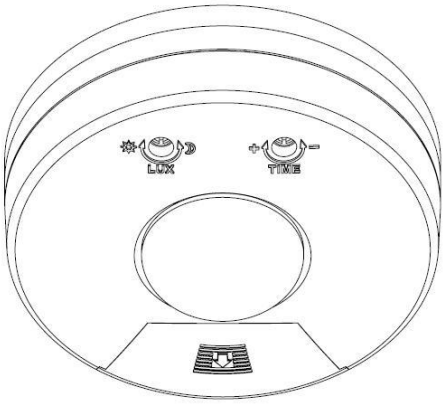
CONNECTION-WIRE DIAGRAM

(see the right figure)



TEST:

- ☐ Turn the time control towards the [-] symbol, and turn the Lux control to the [sun] symbol.
- ☐ After switch on the power, the controlled load shouldn't work,, the load should work after 5~10sec. Under the no inductor signals condition, the load should stop working within 20~30sec.
- ☐ After 5~10sec to sense, the load should work. The load should stop working within 5~15sec.
- ☐ Turn the time control, and you can set time delay freely between 10±5sec and 6±1min.
- ☐ Turn the Lux control to the [moon] symbol. The inductor load shouldn't work in the more than 3LUX ambient-light. If you cover the detection window with the opaque objects (towel etc), the load should work. Under the no inductor signals condition, the load should stop working with in stipulated time.



NOTES :

- ☐ Electrician or experienced human can install it.
- ☐ The unrest objects can not be regarded the installation basis-face.
- ☐ Front of the detection window has not hinder or unrest objects effecting detection.
- ☐ Avoid installing it near air temperature alteration zones for example: air condition, central heating, etc.
- ☐ Please do not open the case for your safety if you find the hitch after installation.
- ☐ If there are some difference between instruction and the function the product has, please give priority to product and sorry not to inform you additionally.

SOME PROBLEM AND SOLVED WAY

- ☐ **The load do not work:**

a. Check the power and the load. b. If the load is good.

c. Please check if the working light corresponds to the ambient light.

- ☐ **The sensitivity is poor:**

a. Please check if the front of the detection window has the hinder that effect to receive the signals.

b. Please check the ambient temperature.

c. Please check if the signals source is in the detection fields.

d. Please check the installation height.

e. If the moving orientation is correct.

- ☐ **The sensor can not shut automatically the load:**

a. If it has the continual signals in the detection fields.

b. If the time delay is longest.

c. If the power correspond to the instruction.

d. If the air temperature changes near the sensor, for example air condition or central heating etc.

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