

# Single Photoelectric Beam Sensor



### **Features**

- Long sensing range:30 meters.
- IP-66 water proof.
- N.C./N.O. /Common Output.
- Terminal block wiring connection.
- · Mounting bracket/screws included.
- Transmitter power adjustment.
- AC/DC 10~ 24V input voltage.

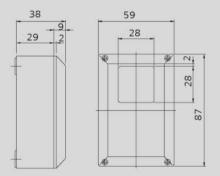
-10-24VAC/DC

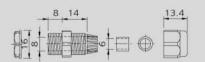
Polarity not important

### PARTS IDENTIFICATION: WIRING: 12 Vertical Adjustment Transmitter Screw -10-24VAC/ Lens VDC, Polarity Lnot important Green LED Red LED + - NO NC Common 1 2 3 4 5 Horizontal . Adjustment ----Receiver Screw Tx Power Setting Relay Output-COM Wiring Block Relay Output-N.C. Cable Gland Relay Output-N.O. DIMENSIONS:









UNIT:mm

## CABLE GLAND:





Body



**Lock Nut** 

Nut

### SPECIFICATIONS:

Transmitter

Item NO.	IR-3000G
Detection Method	Through Beam
Sensing Range	30 meters
Input Voltage	AC/DC 10-24V
Response Time	100 msec
Emitting Element	Infrared LED
Operation Indicator	Red Led(Rx): off (when beam is broken), Green Led(Tx):on
Dimensions	21mm(w) * 87mm(h)* 38 mm(t)
Output Method	Relay output(N.C./N.O/Common)
Current Consumption	Tx:33.5mA / Rx:27.5mA (when beam is aligned)
	Tx:33.5mA / Rx:13mA (when beam is broken)
Contact Current	1A/120VAC
Tx power adjustment	1. Strong: short jumper 2. Normal: jumper open
Sensing angle adjustment	Horizontal: $\pm 5^\circ$ , Vertical: $\pm 5^\circ$
Illumination	Lamplight<10,000 Lux ; Sunlight<30,000 Lux
Connection Method	Terminal Block
Noise Resistance	1500Vp-P/1uS
Surge Resistance	2KV/1uS
Vibration Resistance	10-55Hz/1.5mm, 2 Hours In X.Y.Z. Phase
Housing Material	Case: Nylon,Lens:PC
Operating Temp.	-13°F(-25°C)~140°F(60°C)
Water Proof	IP-66
Safety Standard	CE

Receiver

# **Applications:**

- Gate or garage door.
- Overhead doors.
- Barrier.

• Parking lot.

- Alarm system.
- Warehouse.
- Door entrance.