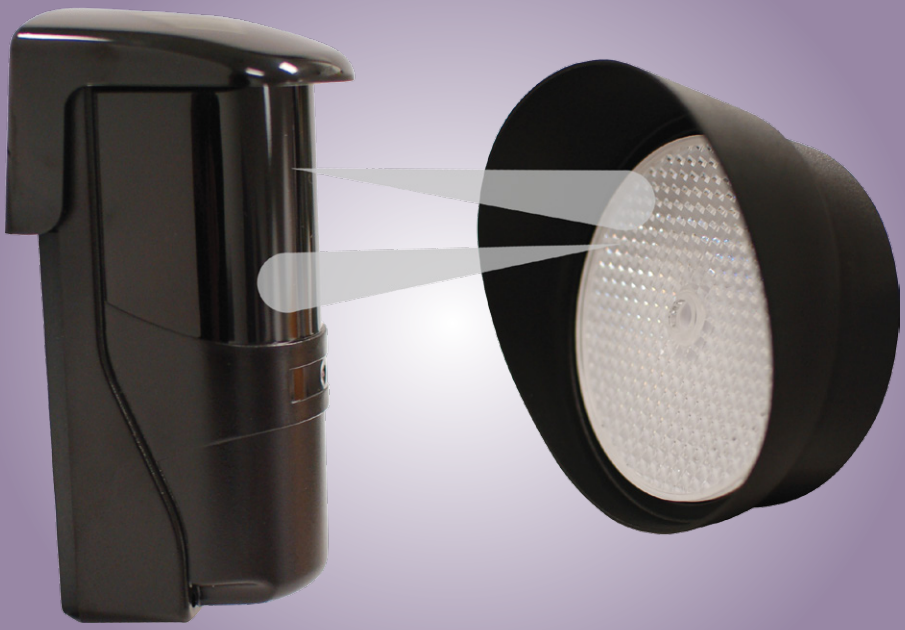
UL325-2016 MONITORED

iGAZER50LR-UL

LONG RANGE PHOTO EYES



Retro-Reflective & Long Range Type

INSTRUCTIONAL MANUAL

1] Specifications
2] Features & Applications
3] Mounting the Sensor
4] Wiring

GAZE®

1 Specifications

Input Volt.	12-30 VDC/AC 60 Hz (Non Polarity)
Current consumption	100 mA
Tx LED Element	Infrared LED/Wave length 740 nm
Beam Spreading angle	5˚
Contact Capacity	30VDC/AC, 0.5A
Response Time	10 msec
Delay Time of Relay	10 msec
Sensing Range	10 meters
LED Indicators: Red LED Off: Beam aligned / Red LED On: Beam broken Red LED flash: Beam alignment signal weak (Re-align) Green LED on: Beam aligned proper	
Additional Function	Tamper switches
Wiring Connection	Terminal block / Cable gland (IP-55)
IP	IP-55
Environment/Storage Temp	-13˚F to 140˚F / -31˚F to 176˚F
Dimension	122 (L) x 61 (W) x 62 (D) mm
Cable wires	2517 / 24AWG / 5~7 cores
Approvals	UL325-2016 & CE

NOTE: MONITOR functions of UL325

(01) End of Line Resistor (10K)
(02) N.C. contact (Optional)

Depending on the monitoring system used by the gate motor, it may be necessary to use either the N.C. output or connect the included 10K resistor to the N.O. or N.C. output.

Please refer to the gate operator manual or the gate operator manufacturer for the preferred monitoring method.

2 Features & Applications

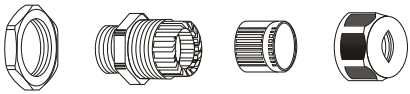
FEATURES:

- Long Range Photo Eye
- Retro-reflective
- Infrared LED element
- IP-55 water proof/cable gland
- PC casing, anti fog/dew/rains
- Round shape reflector-Dia.: 82.1mm
- Input Volt.: 12-30V DC/AC 60 Hz (Non Polarity)
- Twin colors led indicator for beam alignment
- Tamper switches included

APPLICATIONS:

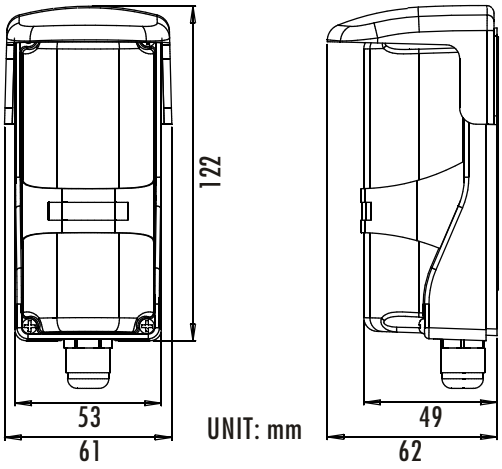
- Gateopener
- Swing gate
- Window
- Warehouse
- Automation control
- Overhead door
- Sliding door
- Terrace
- Parking lot

CABLE GLAND

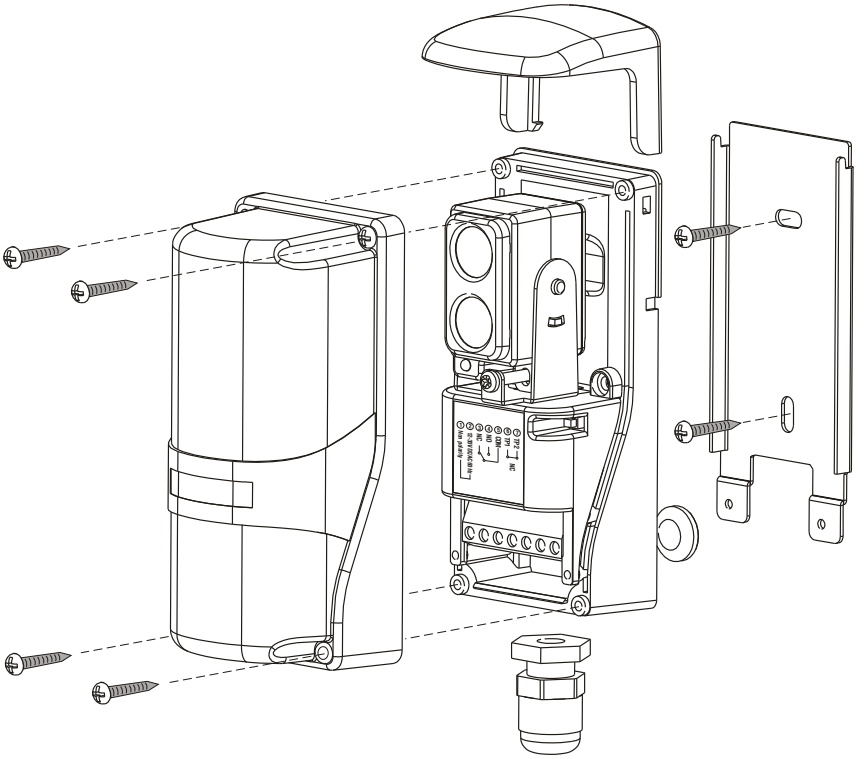


Thread	Cable Range (mm)	Thread O.D. C1(mm)	Thread Length C2(mm)	Spanner Size A&F(mm)
M12x1.5	3-6.5	12	9	18/15

DIMENSIONS



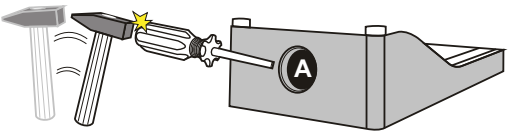
3 Mounting the Sensor



1. Unscrew the 4 screws and remove the cover.
2. Loosen the captive screw to free the sensor from the mounting plate.
3. Using the included screws, mount the mounting plate to the wall.
4. Use the breakout and cable gland at the bottom of the sensor to run the wires.
5. Remove the terminal block using longnose pliers and wire the unit according to the wiring diagram above.
6. Hang the sensor back on to the plate, and use the captive screw to secure it in place.
7. Re-attach the cover, and use the included small screws to secure it.
8. Attach the hood to the top of the sensor.

4 Wiring

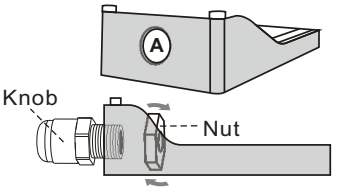
1 Break down & remove plastic pack Ⓐ

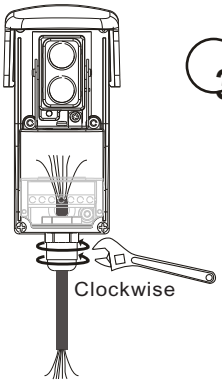


Please use screwdriver & hammer to break Ⓐ plastic pack down and remove pack Ⓐ. Then insert the cable gland into the Ⓐ empty hole. (See diagram 2)

2 Install the cable gland

Screw the knob with the nut till fixed.





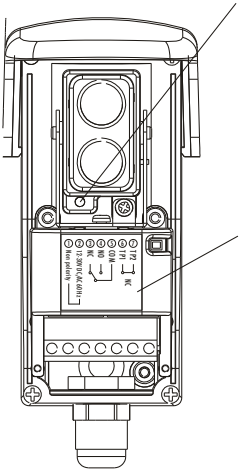
3 Finish the wiring connection:

a. Insert the cable wires into the cable gland.

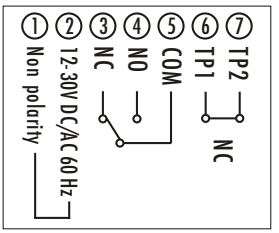
b. Connect the lead wires to the proper position of terminal block.

c. Use spanner to tight the cable gland clock-wise until tight.

WIRING



PWR/ Beam Alignment LED Indicator



Additional function:
TP1/TP2 - Tamper Switches, can be connected to control panel or siren as burglar alarm.

TRANSMITTER SOLUTIONS WARRANTY

The warranty period of Transmitter Solutions photo eye is twenty-four (24) months. This warranty shall begin on the date the photo eye is manufactured. During the warranty period, the product will be,repaired or replaced (at the sole discretion of Transmitter Solutions) if the product does not operate correctly due to a defective component. This warranty does not extend to (a) the photo eye case, which can be damaged by conditions outside the control of Transmitter Solutions, or (b) battery life of the photo eye. This warranty is further limited by the following disclaimer of warranty and liability:

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