

English

REFLEX 180° 10K

UL325-2016 MONITORED PHOTOELECTRIC BEAM SENSOR

RETRO-REFLECTIVE and LONG RANGE TYPE

(code 23102230)

FEATURES

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

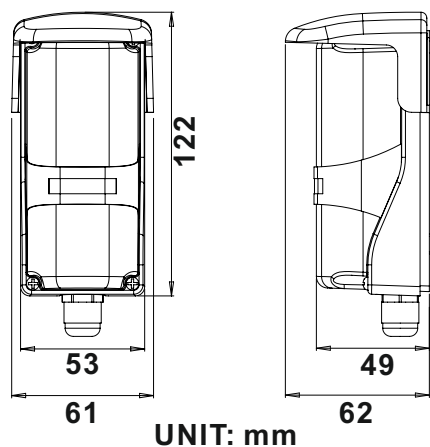
APPLICATIONS

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

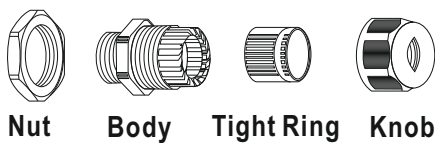
TECHNICAL SPECIFICATIONS

Input Voltage	12-30V DC/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	100 msec
Sensing Range	15 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 Temperature	-25°C ✕ 60°C ✕ -35°C ✕ 80°C ✕
Dimension	122 (L) 61 (W) 62 (D) mm
Cable wires	2517 / 24AWG / 5~7 cores
Approvals	UL325-2016 & CE

DIMENSIONS



CABLE GLAND



Thread	M12x1.5
Cable Range (mm)	3-6.5
Thread O.D. C1 (mm)	12
Thread Length C2 (mm)	8.5
Spanner Size A&F (mm)	18/15

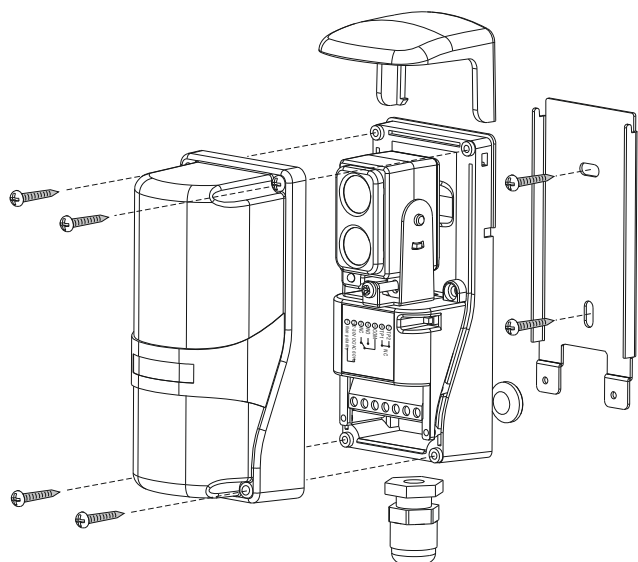


Notes:

- Built-in End of Line Resistor -10K
- (1) N.C./COM or (2) N.O./COM

English

MOUNTING OF THE SENSOR:

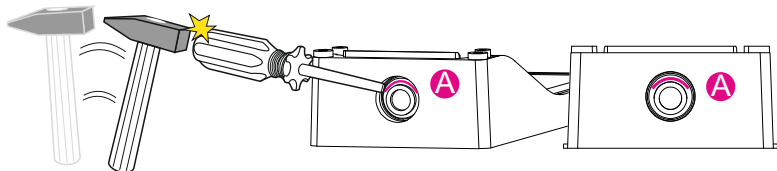


1. Unscrew the 4 screws and remove the cover
2. Loosen the captive screw to free the sensor from the mounting plate
3. Using the included screws, mount the mounting plate to the wall
4. Use the breakout and cable gland at the bottom of the sensor to run the wires
5. Remove the terminal block using long-nose pliers and wire the unit according to the wiring diagram below
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

WIRING CONNECTIONS:

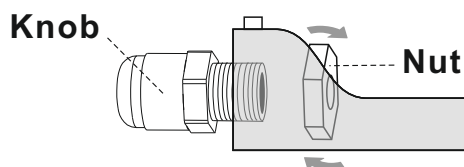
① Break down & remove plastic pack **A**

Please use screwdriver & hammer to break down the cable gland cover by the outer circle upper edge **A**. Then insert the cable gland into the **A** empty hole



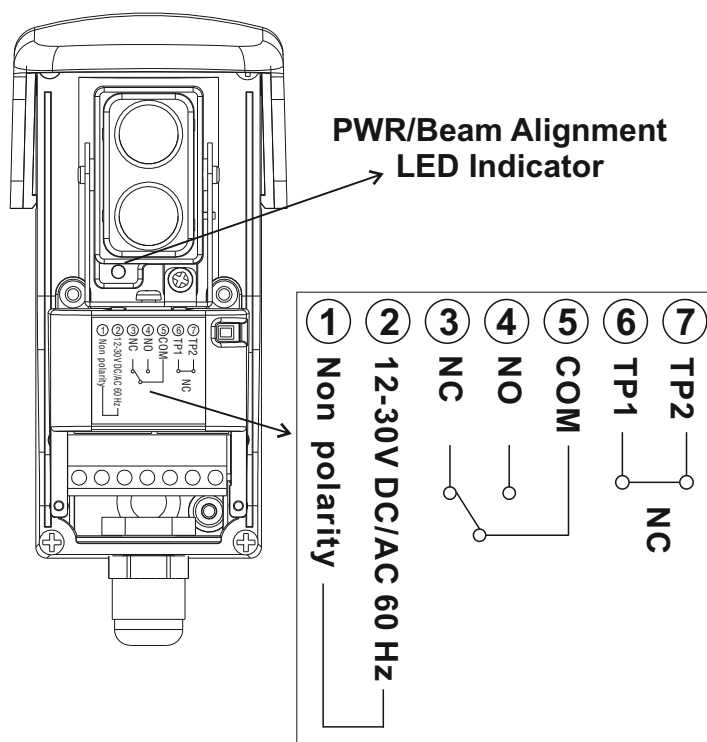
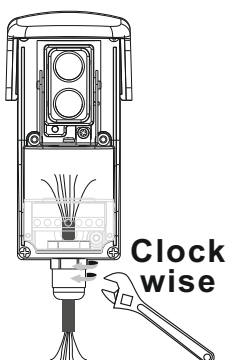
② Install the cable gland

Then screw the knob with the nut till them 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 clockwise to the end (the most tightness)



ADDITIONAL FUNCTIONS

TP1/TP2 - Tamper Switches can be connected to the control panel or siren as burglar alarm