



Automation Systems

Retro-Reflective Sensor

APC-RR-11



Sensing range	11m
Supply voltage	DC 12~240V +/- 10% or AC 24 ~240V +/- 10%
Response time	10ms max.
Emitting element	IR LED
Environmental protection	IP66 (IEC)
Ambient temperature	-20 to +55°C

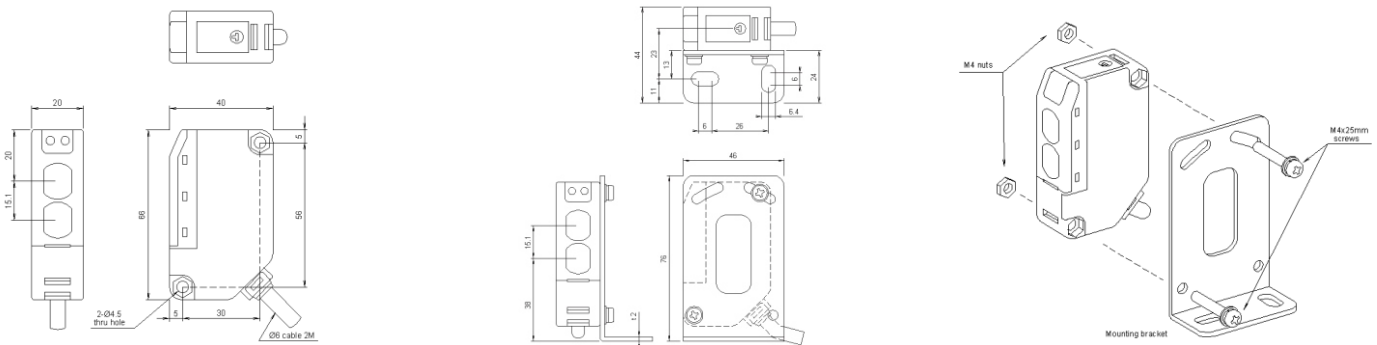
Features:

- Universal power supply
- IP 66 waterproof
- Highly reliable performance

Applications:

- Safety Sensor
- Entry passing detection
- Parking positioning

Dimensions



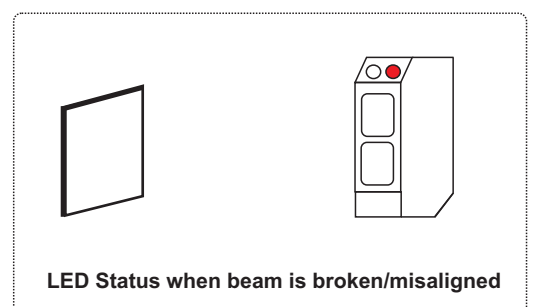
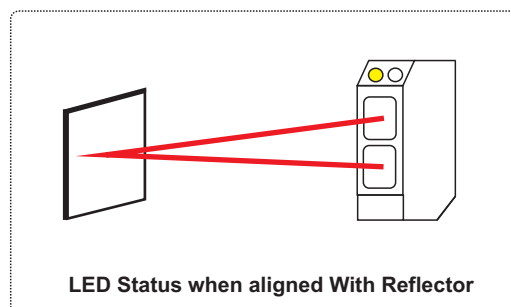
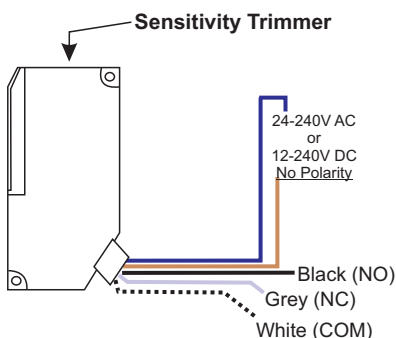
Installation

1. Mount the reflector and the sensor so they face each other.
2. Connect power to the sensor. Typically, the red LED will turn ON indicating that the sensor and reflector are not yet properly aligned. If the yellow LED is ON (red LED OFF), it indicates that the sensor and reflector are aligned (although it still may be necessary to slightly adjust the alignment).
3. GENTLY Turn the sensitivity trimmer to Max.
4. To find the correct alignment, slowly adjust the angles of the sensor (and/or reflector) up and down and right and left.
5. GENTLY adjust the sensitivity trimmer towards Minimum so that it is detecting smaller obstructions, approx half way is the lowest ideal setting.

Sensitivity Adjustment

- **Min. Setting** -- The infrared signal emitted by the sensor is at its minimum or weakest. This means the sensor can be easily triggered by small obstructing objects.
- **Max. Setting** -- The infrared signal emitted by the sensor is at its maximum or strongest. This means the sensor cannot be easily triggered by small obstructing objects.

Wiring and LED's

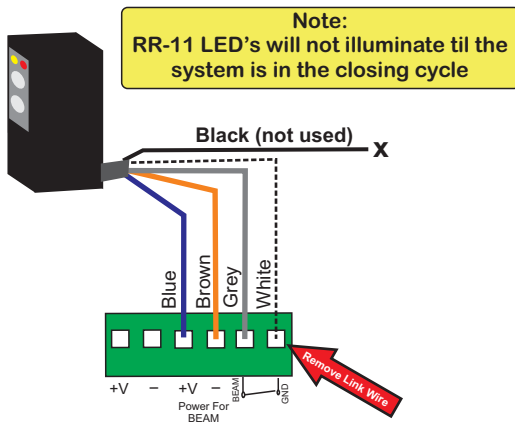


NOTE

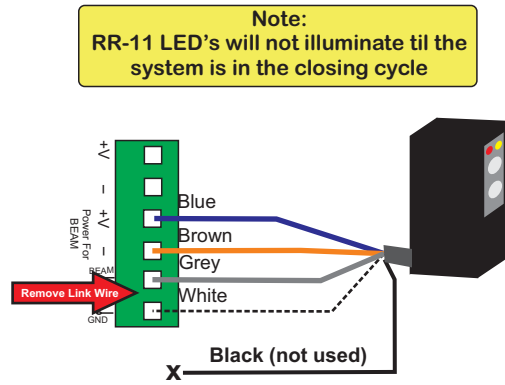
1. Correct alignment is reached when the red LED turns OFF and the yellow LED turns ON.
2. If both LED's are OFF, the sensor is at the edge of sensing the signal and may not work properly.

APC Specific Wiring Diagrams

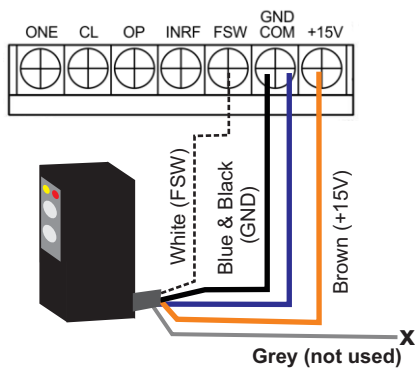
Connecting to Swing Gate Control Panel CBSW-12 and CBSW-24



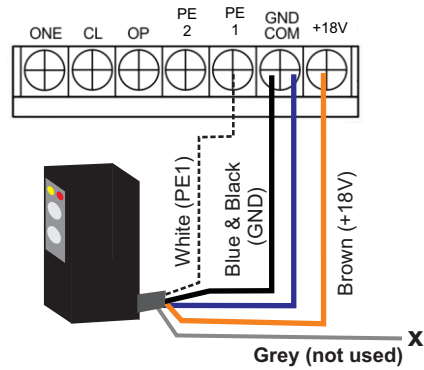
Connecting to Sliding Gate Control Board CBSG-12 and CBSG-24 (FLOOD PROOF)



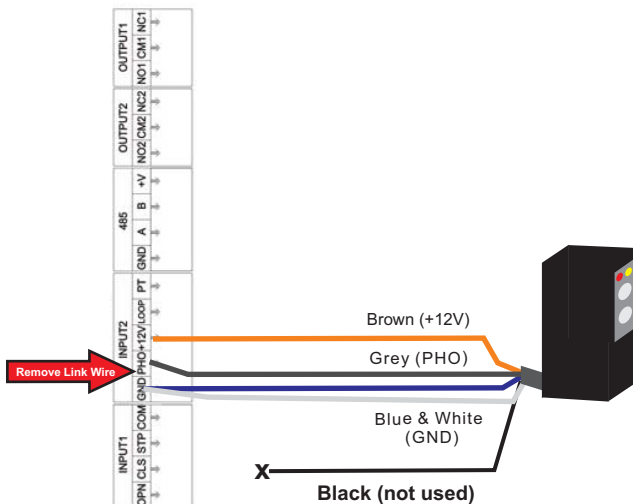
Connecting to Sliding Gate System APC-SG801AC / 1600AC / 3000AC



Connecting to Sliding Gate System APC-SG802AC / 1602AC / 3002AC



Connecting to APC-BG-AC Boom Gate



Connecting to APC-BG-DC Boom Gate

