

# Infrared Sensor Set Instructions

## Safety Information

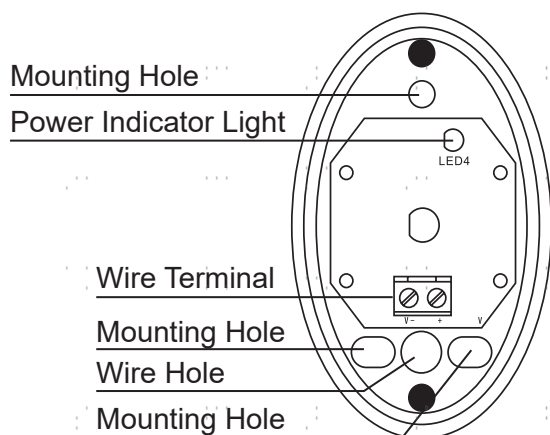
### Warning!

- The instructions provided herein are only for general information. **ALWAYS** install the sensors in full compliance with your gate's user manual.
- Keep children and pets away from the sensor and the gate when they are in use.
- **ALWAYS** make sure the sensor is properly aligned with the gate, as misalignment can cause the gate to malfunction or become stuck.
- **ALWAYS** keep the sensors and areas around them clean and free of debris. Dust, dirt, and other obstructions can interfere with the sensor's operation. Install away from direct sunlight.
- Maintain this product. Check for misalignment, binding, wear, or other damage before use. If any damage is detected, repair or replace the problematic components before further use.

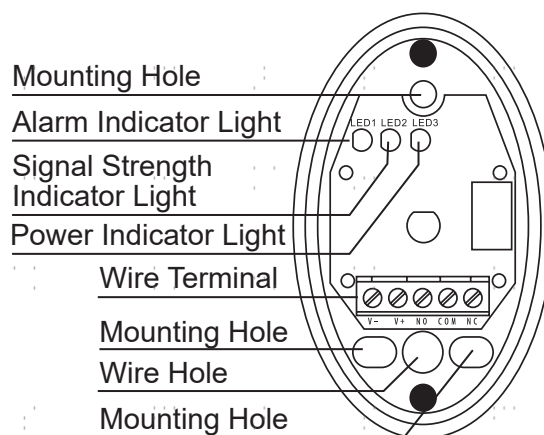
## Specifications

<b>Dimensions</b>	3×1.9×1.2 in.	7.6×4.8×3 cm
<b>Input Voltage</b>	12–24V AC/DC	
<b>Operating Temperature Range</b>	–13 to 131°F	–25 to 55°C
<b>Weatherproofing</b>	IP44	
<b>IR Signal</b>	940 nm 1.9 kHz	
<b>IR Sensor Range</b>	6.6–65.6 ft.	2–20 m
<b>Net Weight</b>	2.3 oz.	65 g

## Product Diagram



**Transmitter**



**Receiver**

## Package List

2 × Infrared Sensors

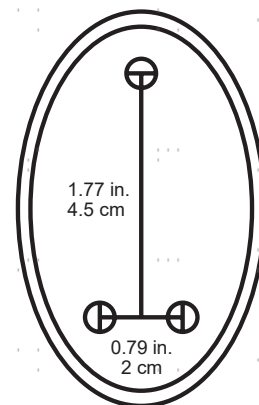
6 × Bolts

2 × Rubber Rings

10 × Expansion Plugs

## Installation

1. Prepare locations for the sensors on opposite sides of your gate. They should be directly across from one another at least 6'7" (2 m) apart and no further apart than 65 feet (20 m). It is recommended that they be placed out of direct sunlight if possible. Pilot holes for their support bolts should be placed as shown in the image below.
2. Use the bolts and expansion plugs to install the infrared sensors on the prepared location.
3. Remove the sensors' housing and connect them to your gate's circuit board according to the gate's manual.



The signal line from the receiver—the sensor with a 5-pin terminal—and any power lines should be prepared. The wires should be at least 22 AWG (0.5 mm<sup>2</sup>) thick. It is recommended that these lines and those from any other control or access system also be placed underground inside a separate PVC pipe from the one used for the motor's power cord. All wiring connections should be able to withstand rain and inclement weather. Connect the sensors to 12V DC power. This can be provided from the motor's circuit board or separately.

4. Before replacing the housing, install the provided rubber rings into the grooves on the sensors' edges. Replace the housing.

## Maintenance

- Check the sensors' alignment regularly. Make sure it is properly aligned with the gate, as misalignment can cause the gate to malfunction or become stuck.
- Check the sensors' wiring and connections periodically. Make sure they are secure and in good condition. If you notice any damage or loose connections, have them repaired by a professional technician.

## Contact Us

Thank you for choosing our products! If you have any questions or comments, contact us at [help@cs-supportpro.com](mailto:help@cs-supportpro.com) and we'll resolve your issue ASAP!

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