



Directional Wireless Outdoor Beams v 2.0

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Description

The Trafsys Directional Wireless Outdoor Beams provide a tamper-proof and water resistant solution for your outdoor people counting needs. The dual Infrared beams allow the sensor to track both Inbound and Outbound traffic through a given area. The Directional Wireless Outdoor Beams communicate wirelessly with the Trafsys data controllers.

Features

- 3.6 volt Lithium battery power (1 to 2-year operation)
- Integrated 900 MHz wireless radio interface
- Up to 1300 ft radio range
- Covers up to 22 – 25 foot entrance (depending environmental conditions)
- Unique serial number embedded in radio data packets

Installation

Installation of the Trafsys Directional Wireless Outdoor Beams involves powering on the sensors, mounting the sensors in a desirable location, and adding the sensor to the [Trafsys Data Controller](#).

Powering On Beams

To conserve battery life the Directional Wireless Beams are shipped in a powered off state. In order to power on the Outdoor Beams you will need the use of the supplied magnet (*or any strong magnet*) and follow the specified procedure below.

Service (Smart Switch) Markings

The smart switch is a magnetic sensitive area designed to allow you to power ON or OFF the Wireless Outdoor sensor without the need to open the water resistant case.



Service Markings



Legacy Service Markings

Power-on Procedure

Powering on the beams requires that you approach the “Service” marking on the end of the sensor with a magnet which will cause an LED to light up red. Hold the magnet to the Service Marking until the RED LED turns OFF (approximately 4 seconds), then immediately pull the magnet away.

Mounting Option

When mounting your Traftsys Directional Outdoor beams you will want to mount each side facing each other at an equal height between 3-4.5 feet from the ground. The distance between the sensors should not exceed a 25 foot span.

Sensors can be mounted with heavy duty double faced tape. For a more secure installation screws can be used to mount the sensors to the opposing walls or to a door frame (when mounting onto a door frame, brackets will be required) with our optional mounting bracket. To access the mounting screw holes disassembly of the sensor is required.



After you remove the (4) Phillips Screws, the top of the case will lift off. Carefully remove the circuit board and attached battery pack. As shown above there are two holes in adjacent corners that are used to mount the sensor to the desired surface.

Battery Replacement

Each side of the beam set contains (5) 3.6v Lithium batteries. These batteries will need to be replaced generally once every two years.

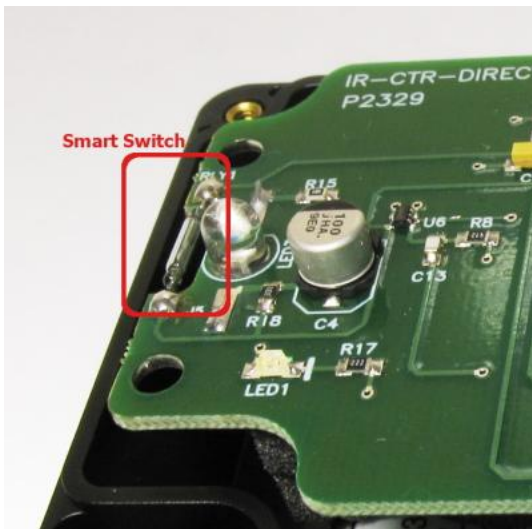
In order to change the batteries in these sensors it is required that you open the case by removing the (4) screws on the top of the case. It is IMPORTANT to note the orientation of the board when removing it from the case. It is advised to ONLY do one side at a time.



Transmitter



Receiver



Once the batteries are replaced you will want to put the battery pack and circuit board in the same orientation. Verify that the servicing markings (smart switch) on the case line up with the smart switch on the circuit board.

Contact Information

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