

### Miniature Single Photobeam

**E-961-S50TB** Single infrared beam, Up to 50ft (15m), Small size

The E-961-S50TB is a simple, easy-to-use, and easy-to-install single-beam infrared motion sensor. The device easily installs almost anywhere to provide an invisible beam that, when broken, sends a signal to activate a light, beeper, or other device. This makes the device perfect for use as part of an access control system, a door or window monitor, a retail store customer alert, or many other places where the user needs to know that someone has entered a specific room or building or other protected area. The E-961-S50TB is weather-proof, and comes with a built-in AGC control circuit that helps to filter out possible disturbance caused by local lighting conditions.

#### Features:

- Small size for a less conspicuous installation
- Simple to install
- Built-in AGC control to filter out lighting disturbances
- Signal strength indicator for easier alignment
- LED indicators for power, signal strength, and alarm
- Weatherproof for outdoor as well as indoor use (IP65)
- Mounting hardware included

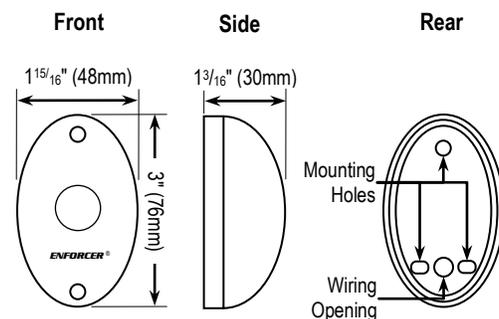
#### Specifications:

Number of beam channels	Single infrared beam	
Number of beam frequencies	1	
Sensor range	Up to 50ft (15m)	
Infrared LED wavelength	940nm	
LED beam spread angle	Approximately ±10°	
Interrupt speed*	50ms	
Input power	10~24VDC	
Current draw (max)	Transmitter	15mA@12VDC
	Receiver	30mA@12VDC
Relay output	NO/NC relay (set by jumper, default is N.C.) 0.5A@30VAC/VDC	
LED (Transmitter)	Green - Indicates connected to power	
LEDs (Receiver)	Power (Green)	Indicates connected to power
	Signal (Yellow)	Indicates receiver's signal is weak or beam is broken
	Alarm (Red)	Indicates transmitter and receiver are not aligned or beam is broken
IP rating	IP65	
Operating Temperature	-13°~131°F (-25°~55°C) maximum humidity 95%	
Dimensions	3"x1 <sup>15</sup> / <sub>16</sub> "x1 <sup>3</sup> / <sub>16</sub> " (76x48x30 mm)	
Weight	1.2-oz (34g)	

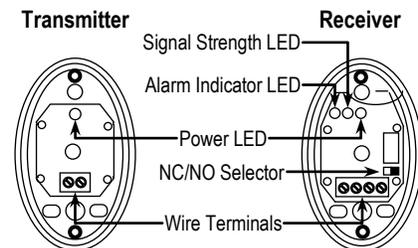
\*This is the minimum time interval for breaking the beam which will trigger the output.



#### Overview:



#### Front Cover Removed



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