

### Multi-Frequency Single Photobeam

**E-964-S50TB** Single infrared beam, Up to 50ft (15m), Small size

The E-964-S50TB is a simple, easy-to-use, and easy-to-install single-beam infrared motion sensor with 4 selectable frequencies. 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-964-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:

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

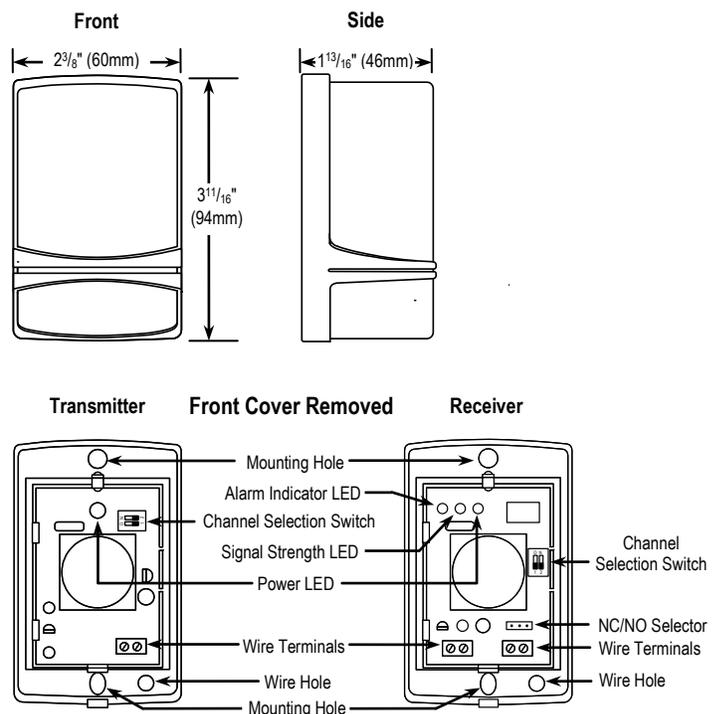


#### Specifications:

|                                   |                        |   |
|-----------------------------------|------------------------|---|
| <b>Number of beam channels</b>    |                        | Single infrared beam  |
| <b>Number of beam frequencies</b> |                        | 4   |
| <b>Sensor range</b>               |                        | Up to 50ft (15m)  |
| <b>Infrared LED wavelength</b>    |                        | 940nm   |
| <b>LED beam spread angle</b>      |                        | Approximately ±10°  |
| <b>Interrupt speed*</b>           |                        | 50ms  |
| <b>Input power</b>                |                        | 10~24VDC  |
| <b>Current draw (max)</b>         | <b>Transmitter</b>     | 15mA@12VDC  |
|                                   | <b>Receiver</b>        | 30mA@12VDC  |
| <b>Relay output</b>               |                        | NO/NC relay<br>(set by jumper, default is N.C.)<br>0.5A@30VAC/VDC   |
| <b>LED (Transmitter)</b>          |                        | Green - Indicates connected to power  |
| <b>LEDs (Receiver)</b>            | <b>Power (Green)</b>   | Indicates connected to power  |
|                                   | <b>Signal (Yellow)</b> | Indicates receiver's signal is weak or beam is broken   |
|                                   | <b>Alarm (Red)</b>     | Indicates transmitter & receiver are not aligned or beam is broken  |
| <b>IP rating</b>                  |                        | IP65  |
| <b>Operating Temperature</b>      |                        | -13°~131°F (-25°~55°C)<br>maximum humidity 95%  |
| <b>Dimensions</b>                 |                        | 3 <sup>11</sup> / <sub>16</sub> "x2 <sup>3</sup> / <sub>8</sub> "x1 <sup>13</sup> / <sub>16</sub> " (94x60x46 mm) |
| <b>Weight</b>                     |                        | 2.6-oz (74g)  |

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

#### Overview:



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