



# iGAZE® RE KIT

## Wireless Safety Edge Kit

 UL 325  
Recognized  
Component



### Receiver with Battery Powered Transmitter

The iGAZE® RE system is intended as a safety device for automated gates and rolling doors. The system is comprised of 1 radio receiver control (RC00900) with 2 output relays which is connected to the operator and up to 2 radio transmitters (TC00900) for each relay. The system transmitter will accept safety edges with the following outputs: Mechanical edges with a N.O. or N.C. controls, and 8.2KΩ and 10KΩ Resistive edges. The radio receiver also has 2 controls to perform an “Auto-test” for operators that have this feature. The transmission signals bi-directional and utilizes the frequencies 902-928MHz.

### FEATURES

- Functions with mechanical & resistive edges simultaneously
- 164 feet of range between receiver & transmitter
- 2 Relay outputs
- Battery powered transmitter with up to 1 year battery life in normal mode and up to 2 years in low power mode
- 4 Edges per relay
- Receiver enclosed in water tight box



### Compatible Edges

#### Traditional Safety Edge:

**N.O, 8.2KΩ or 10KΩ**

5 Foot Length w/Aluminum Rail



SAFEEDGE250

#### Overhead Door Safety Edge:

**N.O or 8.2KΩ**

16 Foot Length

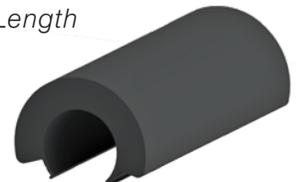


SAFEEDGEHS45.30

#### Round Wrap Around Edge:

**8.2KΩ or 10KΩ**

5 Foot Length



SAFEEDGERWA8.2K5

#### Square Wrap Around Edge:

**8.2KΩ or 10KΩ**

5 Foot Length



SAFEEDGESQRWA8.2K5



# iGAZE<sup>®</sup> RE KIT

## Wireless Safety Edge Kit

### Specifications

**Operating Frequency:**  
902 - 928 MHz

**Range in Open Space:**  
164 feet - (50 Meters)

**Transmitter Power Supply:**  
2 AA batteries  
1 years (normal mode)  
2 years (low power mode)

**Compatible Safety Edges:**  
Mechanical (N.O. or N.C.)  
And/or Resistive (8.2kΩ) or 10Ω

**Number of Outputs:**  
2

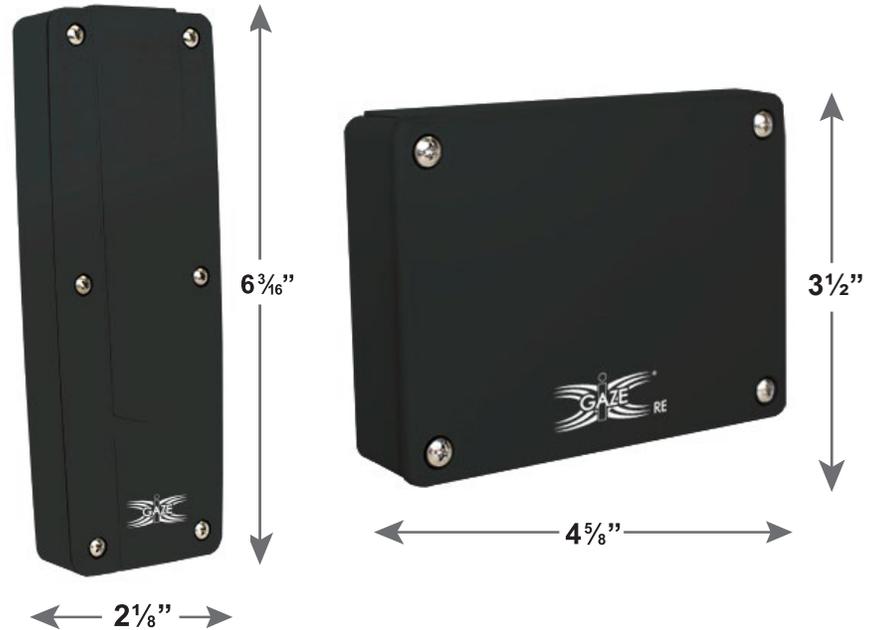
**Maximum Number of Transmitters per Receiver:**  
2 for each device

**Maximum Number of Safety Edges per Output:**  
4 for each relay

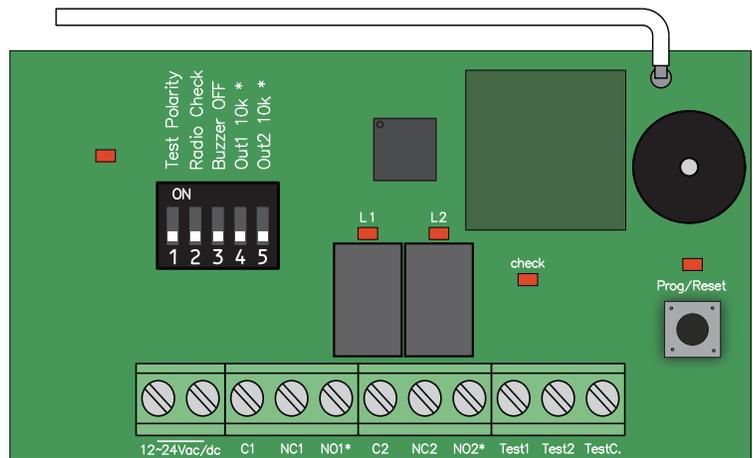
**Power Draw on Receiver (24Vdc):**  
25mA (standby)  
38mA (one relay engaged)  
50mA (two relays engaged)  
< 70mA @12Vdc

**Resistive Safety Edge:**  
2,7kΩ < R < 27kΩ (safety edge OK)  
R < 2,7kΩ (safety edge in short circuit)  
R > 27kΩ (OPEN safety edge)

### Dimensions



### Board Diagram



### Contact Us

#### TRANSMITTER SOLUTIONS

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[www.transmittersolutions.com](http://www.transmittersolutions.com)

