



iGAZE® RE KIT

Wireless Safety Edge Kit



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 8 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 8.2K Ω and 10K Ω 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
- 8 Edges per relay
- Receiver enclosed in water tight box



Compatible Edges

Traditional Safety Edge:

N.O, 8.2K Ω or 10K Ω

5 Foot Length w/Aluminum Rail



SAFEEDGE250

Overhead Door Safety Edge:

N.O or 8.2K Ω

16 Foot Length

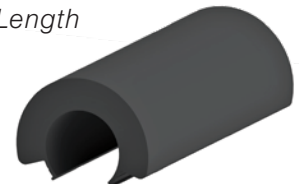


SAFEEDGEHS45.30

Round Wrap Around Edge:

8.2K Ω or 10K Ω

5 Foot Length

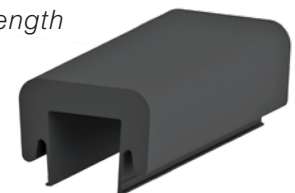


SAFEEDGERWA8.2K5

Square Wrap Around Edge:

8.2K Ω or 10K Ω

5 Foot Length



SAFEEDGESQRWA8.2K5



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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:

8 for each device

Maximum Number of Safety Edges per Output:

8 for each relay

Power Draw on Receiver (24Vdc):

25mA (standby)

38mA (one relay engaged)

50mA (two relays engaged)

< 70mA @12Vdc

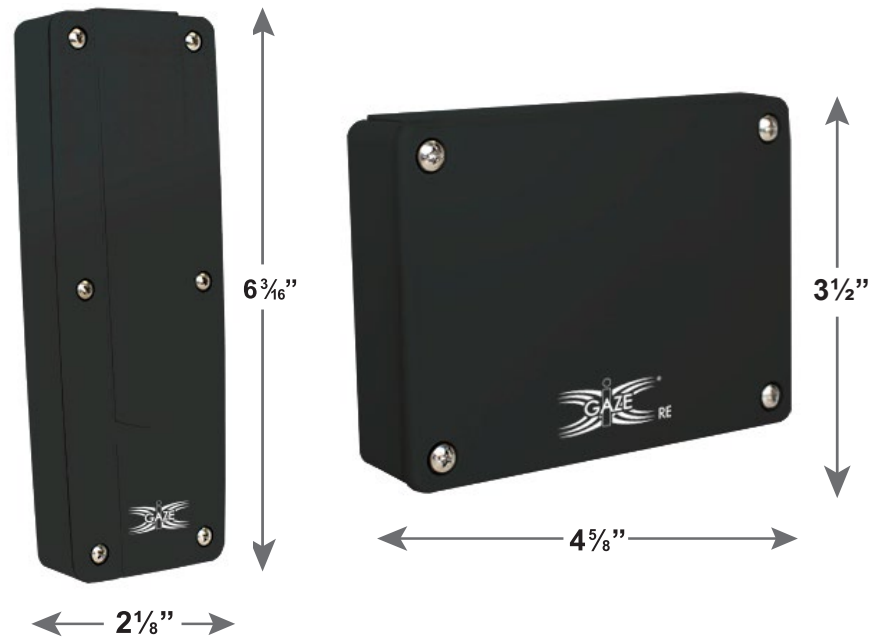
Resistive Safety Edge:

2,7kOhm < R < 27KOhm (safety edge

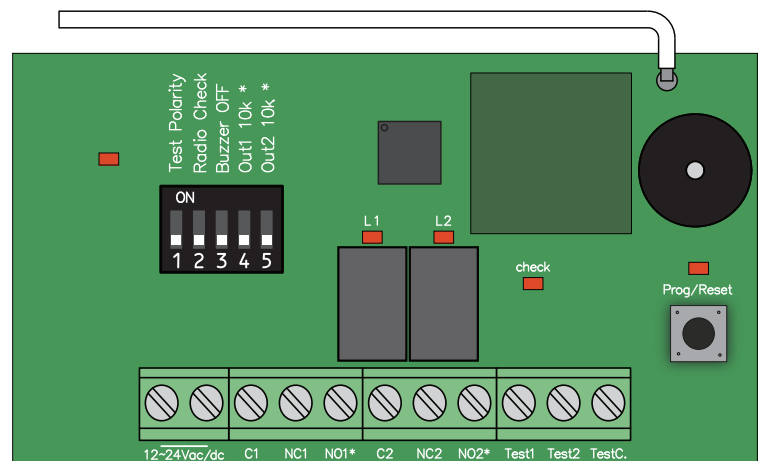
OK) R<2,7KOhm (safety edge in short

circuit) R>27KOhm (OPEN safety edge)

Dimensions



Board Diagram



Contact Us

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