



Technical Specifications

Basic Concept

The Siren-Operated Sensor (SOS) is designed to respond swiftly to the “YELP” mode of all standard sirens. A reminder decal is provided to be placed on each entry gate. Responders already own their siren. This device represents Public Safety without spending Public Funds. The SOS is the nation’s most widely used Uniform Emergency Gate Access.

Installation and Testing

Since all gate operators use 9 to 30 Volts AC or DC for their electronic controls, this source can easily be used to power the mini requirements of the SOS. A demonstration “YELP audio CD is provided, along with instructions, with each SOS sold.

Technical Specifications

The Frequency response of the Siren-Operated Sensor is from 900Hz to 6Khz. The SOS relies on a time-varying frequency input in this range. This, plus proprietary techniques, allows the microprocessor to respond to the siren’s “YELP” with a dry relay closure in 2.5 seconds.

- The SOS uses an unidirectional microphone. Alignment is not necessary.
- Range of the SOS is adjustable – 5 to 50 feet or more. A potentiometer located on the PC Board provides this adjustability. The SOS is not affected by ambient light.
- The PC board is mounted in a 3.5” x 4.7” x 2.4” weather-tight enclosure.
- The unit weight is approximately 8 oz.
- The power requirements are 9-30 Volts AC or DC with approximately 1 mA Draw. When activated it has a 25 mA Draw.
- Programmable to be momentary relay activation , 15 minute hold, or Latch.

Warranty

The SOS has a five year warranty when installed according to the manufacturer’s Specifications.