

RIGHT O' WAY

Emergency Preemption System



DESCRIPTION

The Right O' Way Emergency Preemption system is the most reliable and accurate siren activated preemption system on the market that includes an acoustic detector and a processor unit located in the cabinet. The detector can be pole, mast arm or span wire mounted for each approach of traffic facing the direction of oncoming vehicular traffic. As the emergency vehicle approaches the intersection, the siren sound of the emergency vehicle is detected and the signal is sent to the controller, which takes the appropriate action as programmed. A visual indication can be activated as part of the controller/cabinet configuration to indicate to the preempting vehicle that it has control of the intersection.

The preempt system consists of an acoustic detector, one for each direction of traffic flow, and a processor unit that can handle up to 4 inputs for a 4-way intersection. The processor unit has 4 test buttons, and 4 indicator lights on the front panel. It has been designed using the latest technology and uses a 200 Mhz processor, the fastest acoustic preemption processor on the market. The system is equipped with a real time clock, a non-volatile memory, and a USB port.

Events are logged and can be retrieved through the USB port.

Right O' Way doesn't require calibration nor configuration performed by the user...It was design as a plug-and-play device.

FEATURES

- Detects 3 standard sirens used on emergency vehicles: Yelp, Wail, & Hi-Lo
- Simplified installation and setup requiring no programming of acoustic device.
- 200 Mhz processor—the fastest on the market.
- Works with NEMA TS1 & TS2, 170 and 2070 controllers.
- Test buttons provided with indicators lights to test preempt functions.
- Software to log and operate system. Windows based for PC and laptop.
- Internal Lithium battery backs up events, time and date information.

BENEFITS

- Decreases response time for emergency vehicles; **increasing safety and saving lives!**
- Lower cost than other types of preemption
- Uses existing emitters (sirens)- does not require additional costly emitters in every vehicle
- Allows for other communities to be able to use system w/o additional equipment
- Preempts reliably in heavy snow, rain, or fog.
- Cannot be "blinded" by direct sunlight.
- Easy to install detectors
- Utilizes a "plug n play" processor.

R.O.W. PREEMPTION

SPECIFICATIONS FOR RIGHT O' WAY CARD

ELECTRICAL

INPUT VOLTAGE: 120VAC 60HZ

PHYSICAL

CIRCUIT BOARD DIMENSIONS:
3 3/4 x 3 15/16 x 1 1/2

HOUSING UNIT DIMENSIONS:
2 3/8 x 4 1/4 x 4 1/8



FRONT PANEL DISPLAY

**INTERFACES**

4 analog microphone inputs
4 optically isolated preempt outputs

STATUS AND CONTROL

4 pushbutton switches – one per channel
4 LED indicators – one per channel
1 LED Power indicator – Power ON

COMMUNICATIONS

USB communication port

DETECTOR FEATURES

- Fully weather-resistant for consistent operation in severe environmental conditions.
- Corrosion-resistant stainless-steel mounting hardware for easy installation in mast arms, poles and span wire.
- Dust and moisture-resistant.
- Span wire and rigid mounting options.

