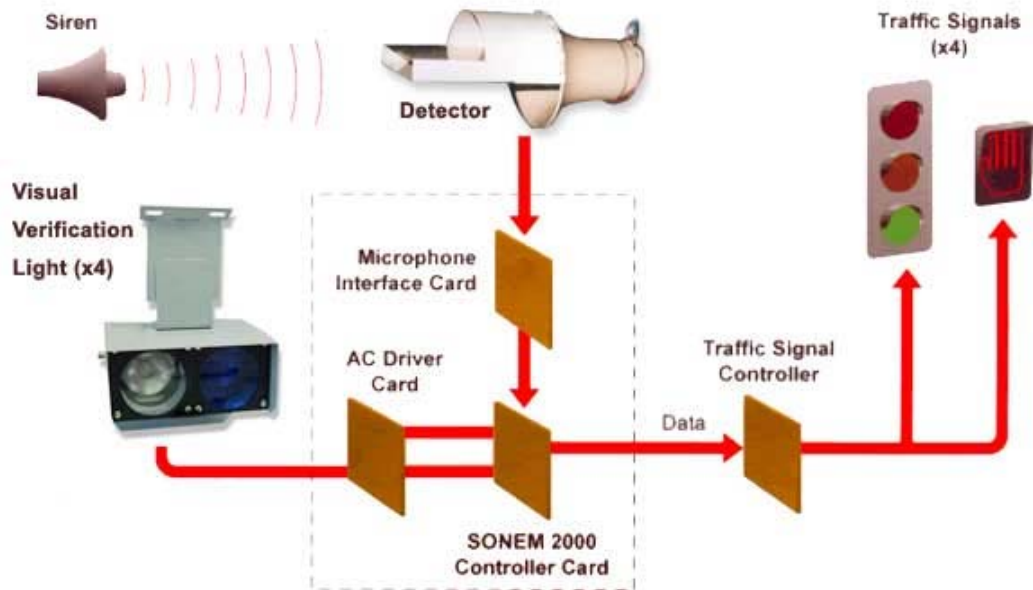


# SONEM2000 Traffic Systems, LLC

## Detects the Emergency Vehicle Siren

The **SONEM 2000** has changed signal priority for good. The system's detector detects the siren of an oncoming emergency vehicle and then-->

- 1.- Determines the direction of the approaching vehicle
- 2.- Notifies the traffic controller of a request for a priority
- 3.- Clears the priority request once the vehicle has passed through the intersection



### Special features

- **WINDOWS** bases software
- Flash memory which can be accessed by PC or modem, for all uploads and downloads of data and software
- 9,000 preemptions logged by date, time (start/ending), direction, siren type and elapsed time of the preemption.
- Graphic displays in real time of the siren frequency, sound pressure levels (Db) and the cycle rates.
- Siren profiling determine if the siren meets the requirements for "Class A", Federal Registrations and State Statues.

INSTALLATION	FLEXIBILITY	DEPENDABILITY
<p>The SONEM 2000 is designed for use in NEMA TS-1/TS-2 and in Caltrans 170 cabinets and is easy to install. NEMA and CalTrans 170 compatible</p>	<p>Programmable features allow different specific settings at each intersection. Each channel can be adjusted locally or remotely to account for:</p> <ul style="list-style-type: none"> <li>• Vehicle Distance</li> <li>• Siren type (yelp, wail, hi-lo) from all manufacturers</li> <li>• Siren frequency and period.</li> </ul> <p>The <b>SONEM 2000</b> maintains a numeric log of signal preemption actions, power fluctuation and outgages, system resets and manual/simulated preemptions.</p>	<p>All <b>SONEM 2000</b> components are manufactured in the United States.</p>

## SONEM 2000 Specifications

**Makes traffic signal priority work better than ever!!**



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**ITEM # 1108727A**  
**1112207A**

• **Components:** Surface Mount, Intergraded Circuit Technology, Industrial Standard U.S. Build

• **Input Power:** 170 24.V.D.C  
NEMA 95 - 130 V.A.C.

• **Back-up:** 1 Lithium Battery (10 year Life)

• **Transfer Time:** 1 ms (Converts sound energy to signal voltage)

• **Front Panel/Control:** Siren Detection LED  
Preemption LED  
2 display characters for diagnostics  
Switches for manual preemption by direction

• **Memory:** 4 MB Flash, 128k STATIC RAM

• **Event Logging:** Up to 4,000 events can be stored in the non-volatile memory, each activation is recorded by date, time (start/ending), direction, siren type, and elapsed time or the preemption. Manual preemptions are recorded as manual.

• **Temperature Range:** -40 to +85 Centigrade

• **Microprocessor:** DSP TI TMS320C50PQA57

• **Communication:** RS-232 using Sonic Quick Vu R3.2.1

• **CMOS Technology:** No Proprietary Parts

• **Detector Cables:** 1 twisted Pair, 18 Gauge, Shielded; Beldon 8760 or equivalent

• **Size & Weight:** 170/2070 . 7" x 4.5" x 2.25" . 1.0 lbs.  
NEMA . 8" x 6.0" x 6.00" . 3.5lbs.  
NEMA-W . 8" x 6.0" x 7.00" . 4.0lbs.

• **Warranty:** 5 Years