

# LAWS™

Local Area Warning Systems

## WARNINGS YOU CAN LIVE WITH

### SYSTEM FEATURES

#### LAWS 1200S & 1200M NOAA & Proprietary GeoSpecific Warnings

- Light Weight Multiple Pod High Performance Speaker System with 400 watts of Audio Power
- Red High Intensity 360 degree LED beacons for warnings
- Blue High Intensity LED beacons for lightning notifications
- Light Speaker Pod wiring harness
- NEMA Type 4 electronics enclosure
- High efficiency Class D audio amplifier
- Proprietary warning receiver and system control circuitry
- Battery & 110 VAC Charging Circuit

#### Solar Charging Option - Mobile Unit Only

- Includes all LAWS 1200M standard features as above (except 110 VAC charger)
- 360 Watt Solar panels
- Custom Solar panel mounting
- Intelligent solar powered battery charger with meter

#### Local Two-Way Radio Control Option

- All LAWS 1200S and 1200M standard features
- Addressable radio system for local control of LAWS audio broadcasts (two-way radio's)
- Radio priority circuit (allow user to select priority for either hazard weather warning broadcasts or real-time radio audible instructions)

#### Generator Option (Mobile Unit Only)

- Fuel Tank - 30 gallon
- Digital Hour Meter
- Fuel Guage
- Remote 25 Foot Harness
- Exhaust Pipe
- Tail Pipe

### ADDITIONAL SYSTEM OPTIONS

- Manual warning broadcast activation
- Manual local warning activation with voice message
- Custom voice message for above - GeoSpecific feature
- Custom alert tone - GeoSpecific feature
- Audio output defeat timer (allows speakers to be muted during overnight hours)
- NEMA 4X enclosure upgrade
- Other custom configurations on request

**LAWS** is a patented standalone public hazard alerting system that automatically delivers warnings to the local area via tone, voice, and lights. Depending on the option selected, warnings are generated by NOAA Weather Radio or private alerting system capable of delivering lightning notifications.



# Specifications \*

## Audio Amplifier and Output

- Custom 400 watt amplifier is true Class "D" type for high efficiency
- Full load current ~ 22 Amps at 12 VDC
- 106 dB (@100') peak siren output (sound pressure level will vary due to differences in voice/frequency modulation & environmental conditions)
- Rated range at 70 dB radius ~ 1200 feet / 1050 Hz test tone

## NOAA Receiver

- Frequency user-selectable for *all* 53 NWS/NWR channels
- Sensitivity: 0.5 uV for 20 dB quieting
- Modulation: Narrow Band FM, 5 KHz deviation
- Power: 12 VDC
- Standby current: ~ 350 milliamperes
- NOAA SAME compliant: SAME and FIPS event codes user programmable via internal serial port and PC

## Environmental and Enclosure

- Temperature: -30c to +60c (enclosure heating required in very cold climates)
- Humidity Range: 0 to 98 %, non-condensing (desiccant should be used in electronics enclosure in very humid climates)
- NEMA Type 4 (Upgraded to NEMA Type 4X at an additional cost)

## System Mounting

- Typical 7 gauge 20 foot light standard pole (4" square O.D. standard; 5" special order). Special conditions such as certain acoustic barriers may require different configurations for optimum sound dispersion. Poles should always be specified based on local wind load data and sound exposure levels. Pricing available on request.

## Speakers

- Four 100 Watt weather-proof compression drivers mounted directly to high performance outdoor speaker horns
- Low frequency cut-off — 500 Hz at rated power
- Additional speaker options for specific applications

## Proprietary - GeoSpecific

- Custom software allows lightening alerts and other user selected GeoSpecific NWS Warnings
- Remote provisioning, option settings, system software updates, dashboard
- Diagnostic feedback including communications status and warning logs
- Customizable warning messages and alerts
- Lightning alerts and other customized NWS warnings of GeoSpecific Polygonal Warnings

## Battery

- Sealed Lead Acid (AGM) 12 VDC 40 Amp Hour rating
- Battery charged by 110 VAC solid state battery maintainer
- 5 Amp, 24 Volt with charger status LED indicators
- Input Voltage 120 VAC at 2.5 Amps

## Signal Beacons

- Proprietary high performance RED LED beacon for Warnings.
- BLUE LED for lightning notifications (if equipped)
- Optional AMBER beacon for Watches.
- Other colors available on request. (additional costs may apply)



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\*Specifications subject to change  
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