

WAVE Siren System for Strike Guard Lightning Warning System
CSI Format Specifications

PART 1 GENERAL

1.1 SECTION INCLUDES

Wireless Siren System

1.2 REFERENCES

Updated Recommendations for Lightning Safety, Bulletin of the American Meteorological Society, Vol. 80, No. 10, October 1999, pages 2035-2041.

National Fire Protection Association NFPA-780 Standard for the Installation of Lightning Protection Systems (NFPA-780)

Evaluation of the Strike Guard Lightning Alarm Sensor using Lightning Location System (LLS) Lightning Data, Fukumune Suzuki, Yoshihiro Serikawa, Yuichi Onozuka, Sankosha Corporation, Japan, 2005

1.3 SUBMITTALS

Product Data: Manufacturer's complete and current product data sheet for each product required, including complete installation requirements.

PART 2 PRODUCTS

2.1 MANUFACTURERS

Strike Guard® Lightning Warning System and Strike View™ Software for Windows® / LINUX®, WAVE Siren System® as supplied by Wxline, LLC, 3924 North Calle Casita, Tucson, AZ 85718, USA.

Tel: 520.615.9999, Fax: 520.615.0030

email: info@wxline.com, www.wxline.com

Substitutions: Not permitted.

2.2 MATERIALS

- a. Wireless Siren System - WAVE® Wireless Audible Visual Enunciator
2. WAVE Transmitter Specifications:
 - a. 2-mile omni directional transmitting radius.
 - b. Battery back up with user-replaceable lead-acid batteries.
 - c. Super heterodyne communication.
 - d. Status indication for: Battery condition, power input condition, and interface cable.
 - e. CAT 5 Control Input.
 - f. Extensive self-test operation performed minimally every 24 hrs.
 - g. 10-WATT transmission signal at 27.255 Mhz.
 - h. Selectable transmission address (min. of 128,000 addresses).
 - i. Control input signal response hours of operation programmable for each day of the week.
 - j. LCD front panel with soft keys for programming, time display, and system state indication.
 - k. Key-operated switch for manual transmission of quick-select knob setting message.
 - l. In-line switching power supply; 100- 240 VAC 50/60 Hz. UL, CE
 - m. Communication test mode and hourly communication test.
 - n.
 3. WAVE Siren Station Specifications:
 - a. Battery back up with user-replaceable lead-acid battery.
 - b. External LED indicator for low battery, communication failure, or other self-test failure.
 - c. External PL-259 Antenna connection
 - d. NEMA 4X Electronics Box enclosure.
 - e. Selectable siren sounds for Alarm and All-clear indication.
 - f. Strobe light integration for Visual Alarm condition indication.
 - g. Powder-coated mounting plate and stainless-steel hardware.
 - h. 150 WATT amplifier driving up to four 100 WATT Horns.
 - i. 800-yard radial coverage with three horn system
 - j.

2.3 ACCESSORIES

Provide appropriate training for system.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install Wireless Siren System - WAVE® Wireless Audible Visual Enunciator WAVE components in full compliance with manufacturer's installation instructions for Strike Guard lightning warning system.
- B. Place all fiber-optic communication links and antenna cables in plastic conduit.

3.2 MAINTANACE AND WARRANTY

Provide three-year warranty with advance exchange agreement.

Service Strike Guard components every three years, or as required.