



The WAVE Sequencer employs state-of-the-art wireless technology to shut down and isolate vulnerable electrical components during local thunderstorms. The Sequencer receives digitally encoded signals from the WAVE Transmitter to initiate the automatic orderly protection of critical industrial systems (irrigation and computer systems) or to initiate remote sequenced events (data back-up, generator start, and other industrial control functions).

The WAVE Transmitter accepts contact-closure signals from the Strike Guard Lightning Data Receiver and sends disable and/or enable signals via radio to the Sequencer based on detection of local lightning by Strike Guard. The Sequencer has manual override capability and is programmable to initiate full automatic control or automatic shutdown with manual re-enabling.

Each Sequencer allows three separate relays or contactors to be switched automatically to power off, isolate, and/or ground any number of electrical circuits or cables. The time delays between the Sequencer outputs may be used to facilitate an orderly irrigation pump shut-down/start-up sequence. The 12 VDC outputs of the Sequencer are designed to control relays appropriate for managing the loads represented by pumps, irrigation systems and other critical equipment. Contact Wxline or your distributor for a list of recommended relays and typical wiring diagrams.

The WAVE Sequencer provides front panel manual Sequence Off and Sequence On switches and a key-switch that enables or disables the automatic restore function.

## WAVE SEQUENCER DELIVERS:

- Three mile wireless communication link distance
- Secure encoded communications
- Front-panel status indicators for communication, battery and output condition
- Battery back-up for uninterrupted operation in a lightning environment
- Low-voltage outputs for controlling relays
- Extensive system self-tests, including communication, battery and output status
- Stainless steel enclosure, optional NEMA 4X enclosure

The WAVE Sequencer complements the WAVE Transmitter and Strike Guard Lightning Warning System to provide automatic remote shut-down and isolation of vulnerable electrical irrigation equipment during local thunderstorms. The Sequencer is the critical control element in modern, intelligent, active lightning protection schemes for central irrigation control computers, irrigation satellites and pump station equipment.



## TRANSMITTER SPECIFICATIONS:

**INSTALLATION:** Wall-mountable.  
**ENCLOSURE:** Type 304 stainless steel for indoor environment.  
**BATTERY:** User-replaceable lead-acid batteries. Low-battery indicator.  
**COMMUNICATION:** 10 W, 27.255 MHz, DIP switch address programming.  
**SETTINGS:** Hours of operation for external control input are programmable via soft keys and front panel LCD.  
**DISPLAY:** System status, power and transmit indicator, manual selection knob, key-activated manual transmission.  
**CONTROL INPUT:** Contact-closure signaling. CAT 5 interface cable.  
**EXTERNAL POWER:** In-line switching power supply. Input 100-240 VAC, 50/60 Hz. UL, VDE, FCC, CSA, CE.  
**RANGE:** Three mile radius, longer range with available high-gain antenna.  
**ANTENNA:** Standard 3 ft monopole antenna, 50 ft coaxial cable.

## SEQUENCER SPECIFICATIONS:

**INSTALLATION:** Wall-mountable.  
**ENCLOSURE:** Type 304 stainless steel for indoor environment.  
**ENCLOSURE OPTION:** ABS NEMA 4X enclosure for outdoor environment.  
**CONTROL OUTPUT:** 12 VDC (600 mA per output or 1.8 A total).  
**OUTPUT DELAY RANGE:** 0-320 seconds per output on Sequence On and Sequence Off command.  
**COMMUNICATION:** Superheterodyne. Complete RF supervision.  
**BATTERY:** User-replaceable lead-acid batteries. Low-battery indicator.  
**ANTENNA:** Standard 3 ft monopole antenna, 25 ft coaxial cable.  
**EXTERNAL POWER:** In-line switching power supply. Input 100-240 VAC, 50/60 Hz. UL, VDE, FCC, CSA, CE.



WAVE Transmitter sends signal to Sequencers.



Strike Guard Lightning Warning System components

The WAVE Transmitter sends secure codes to activate an unlimited number of Siren Stations and Sequencers within a three mile radius.

### The WAVE Transmitter offers:

1. Easy programming through front panel switches and LCD
2. Comprehensive, automatic system status monitoring
3. Manual control or automated activation from external relay input
4. Manual selection of desired transmission via front panel quick-select knob
5. Test-mode transmissions for communication tests

### The WAVE Sequencer offers:

1. Three 12 VDC outputs to control up to three sequenced relays
2. Sequenced disable and enable
3. Remote automatic control via WAVE Transmitter, or local manual control of Sequence On and Sequence Off command
4. External indicators of system status, integrated self-test features



[www.lightningman.com.au](http://www.lightningman.com.au)

Specifications are subject to change.

