



THOR GUARD Model L75

LIGHTNING PREDICTION SYSTEM



THOR GUARD leads the world in the manufacture of lightning prediction and lightning warning systems. Since 1972, THOR GUARD has utilized our proprietary atmospheric electrostatic analysis to produce a variety of lightning prediction systems to meet the technical and budgetary demands of various customer groups.

THOR GUARD's Model L75 is our first upgradeable base prediction and warning system control center. Customers can now have an entry-level system, automatic or manual, capable of providing audible and visual warning for a single site. The L75 is fully upgradeable, so that at any time in the future, you can provide warning for remote locations up to 1¹/₄ miles away.

FEATURES

- Easy to Read Large Blue Vacuum Fluorescent Display.
- 40 segment "Energy Level" LED Display to show instantaneous energy migrations.
- "Field Collapse Count" indicator shows lightning discharges during storm activity.
- Unique "Activity Detector" displaying projected time until resumption of safe operations.
- Instant Lightning Hazard Level (LHL) and Dynamic Index (DI) continuously displayed.
- All Clear, Caution, Warning, Red Alert, each distinct warning level clearly displayed.
- Multiple range options available for different geographic areas and user applications.
- User adjustable Red Alert level for increased storm notification time.
- Programmable sensor self-test every 24 hours at user selected time.
- Separate Test key provided to manually verify sensor operation.
- Connects to THOR GUARD's THOR PC visual display and storm storage software.
- Two (DB9) RS232 ports to allow interface with a computer to run THOR PC.
- Two hazard levels of local audio alarm with user adjustable volume control.
- Option provided for user to mute local audio during storms.
- Auto / Manual mode manages alarms for monitored or unmonitored operations.
- Option to manually sound All Clear or Red Alert alarm horns by user.
- Self-powered Internal Storm Buffer maintains recent storm times and hazard levels.
- User-selectable hours of alarm operation or 24-hour ongoing operation.
- System diagnostics to facilitate and maintain correct operations.
- Compact design and robust construction, sealed tactile feedback membrane panel.
- Access to All Clear & Red Alert signal using dry closure contacts relay.
- Wall or table mounting.
- Interfaces with THOR GUARD WEATHER (OPTIONAL).

Specifications

Models: L75, L75B, L75I, L75R

Model Specifications: L75..... Local Hazard Output, +12 Volt DC
L75BLocal THOR GUARD VOT Base Horn
L75I..... 2 Separate Dry Closure Relays
L75R..... Local THOR GUARD VOT Base Horn & Remote Horns

Power Requirements: Voltage: 120 Volts AC, 60 Hz, Single Phase
Power: .25A, 30 Watts

Power Supply: 3- Plug, Wall Mounted, Grounded
120 VAC, 60 Hz
Dimensions: 2.68" W x 2.19" D x 3.45" H
Safety Requirements: UL, CSA
Power Cord: 6 ft. Weight: 1.5 Lbs.

Console: Dimensions: 7.25" L x 8.75" W x 1.75" H
Weight: 2 Lbs.

Hyperstatic Sensor: Dimensions: 16" W x 30" H
Weight: 7.5 Lbs. (Cable not Included)

Sensor Cable: West Penn 5992, Polyethylene Jacket (Optional Plenum Cable Available)
³/₈" Dia. Double Shielded Triaxial with Teflon Core.
Standard Length Available 75 ft., 125 ft., 150 ft. (200 ft. Max. Length)

Vot Comm-Link Cable: West Penn ACQ 3186 UL Listed Nec Type CL3
(Optional Plenum Cable Available)
⁵/₁₆" Dia. Shielded 6 Conductor PVC Jacket.
Standard Length Available 75 ft., 125 ft., 150 ft. (200 ft. Max. Length)



Hyperstatic Sensor



VOT BD or VOT RC



VOT Horn

(Specifications & features subject to change without notice)