

MODEL 3480 Advance Warning Station

- Automatic Activation of Flashing Lights or Crossing Arm
- Interfaces with Existing Flood Warning Networks
- Efficient, Easy Installation



DESCRIPTION:

The Model 3480 is an Advance Warning System that advises motorists of an impaired or flooded roadway by activating flashing lights or an automatic road crossing-arm.

The 3480 is a complete roadside warning system that integrates with existing ALERT/IFLOWS Flood Warning Systems. Included in a typical package is a microprocessor based Controller housed in a locking aluminum cabinet, an aluminum mounting pole with a DOT approved breakaway base and anchor, two 12" diameter yellow LED beacon signals, a 50-watt solar panel, battery, lightning protection, a 3dB omnidirectional antenna, and hardware necessary for attaching a 48" warning sign.

The controller for this system is HSE's Model 3350 Series. The 3350 Series serves as a Remote unit, giving users the option of activating the warning system from user set sensor levels at a Master data collection site, or from a base station.

The 3480 is monitored and controlled by Windows-platform base station software. All radio traffic between the master and remote sites can be displayed and archived. Users can also request timed reports for battery voltage and status information. User configurable alarms alert appropriate personnel via e-mail, text messaging and pager as well as on the base station display.

ORDERING GUIDE:

Model 3480	Advance Warning Station
Model 3480-01	Screw Anchor for Non-Concrete Installation
Model 3480-02	Anchor for Concrete Installation

Included are:

- Locking Aluminum 26"x17"x16" Cabinet
- ALERT Controller Electronics Package
- 16 Foot 4" Spun Aluminum Pole
- Breakaway Base
- Anchor
- 12" Diameter Yellow LED Signal Beacon (Qty 2)
- 50 Watt Solar Panel
- Battery
- Antenna & Antenna Cable
- Hardware & Mounting Brackets
- Mounting Brackets for Attaching 48" Warning Sign

OPTIONAL:

Model 3703-00	Data Radio
Model 5600 Series	Battery (additional)
Model 5825-01	8" Diameter Yellow LED Signal Beacon (Quantity 2)

Please See Next Page for Specifications

MODEL 3480

Advance Warning Station



SPECIFICATIONS:

Controller

Power Supply	12 Volts Nominal
Current	Receive - 50mA w/Model 3703 Radio Transmit - 2 Amps, Maximum
Response Time	10 Seconds
Digital Output	250mA Open Collector
Status Input	Contact Closure 12 Volt Switched Output 2 Amps, Maximum
Radio Frequency	166 - 177MHz - Standard 406 - 412MHz - Optional
Protocol	ALERT Binary Standard
Tone In	700mV Peak to Peak
Tone Out	700mV Peak to Peak
LED Indicators	1 Transmit / 1 Receive
Size	4" X 3" X 1.75"

Mounting Pole Assembly

Construction	Spun Aluminum
Height	16 Feet
Diameter	4 Inches
Base	Breakaway (DOT approved)

Power

Solar Panel	3 Amps; 50 Watts Regulated
Size	48" X 13" X 1.3" Includes regulator, mounting bracket & hardware, cable, connector

Antenna

Type	Omni-Directional, 169 - 173MHz
Power Rating	500 Watts
Gain	3dB
Lightning Protection	DC Ground
Connector	SO-239
Impedance	50 Ohms Nominal
Max Rated Wind Velocity	130 mph
Max Rated Wind Velocity	90 mph with 1/2" Radial Ice
VSWR	1.5:1 or Less
Size	with/J, 3.625" X 2.25" X 54.125" Pole Circumference - 1.4375"



Enclosure

Construction	Aluminum, Locking
Size	26" x 17" x 16"



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