

# StormLink® ALERT2 Controller



Two-way ALERT2 command and control for many applications:

- Flooded roadway warning systems
- Solar-powered cameras
- Hydro-related pump stations
- Automatic barrier gates
- Electronic message signs
- Siren warning systems



## KEY FEATURES

- ALERT2 two-way command and control capability
- Configurable as either a master, gauging station, or remote warning site
- Received Signal Strength Indicator (RSSI) test-point

## Description

The **The StormLink ALERT2 Controller** is a two-way ALERT2 controller assembly ideal for use in High Water Detection Systems (HWDS) and other inclement weather detection systems.

This 4-channel system can be used in either a “master-and-remotes” configuration for high water flooding, fog, high wind and snow/ice detection systems for roadway and public access areas as well as for dam and hydro-related pump stations. It can also be applied as a remotely controlled station to activate remote solar powered cameras, pumps or public warning devices such as beacons, message signs, gates and sirens controlled directly by remote commands initiated by AEM Elements® 360 software.

There are typically one or more command controllers at a high-water stream crossing: one at the master gauging station and the others at the remote solar powered flashing beacon stations. The master stations support up to three water level sensors and may have a rain gauge or other weather sensors for monitoring atmospheric conditions.

The master station sends timed reports, event-generated reports, and command-generated status reports. These reports can either pass through an optional repeater or are received directly at the central site base station. The remote stations have a controlled device (e.g., a warning sign with flashing beacons) and will send timed reports and command generated response reports to its master controller and to the base station. Remote stations can also be equipped with optional barrier gates.

When the master has local control enabled, it compares the water level readings received from the sensor to the programmed threshold values. As the water level rises above the upper threshold value, commands are sent simultaneously to each of its remote units to “turn on” the public warning devices. When water level falls below the lower threshold value, a command is sent to the remotes to “turn off” the beacons in a similar manner. All field commands and responses are sent within each unit’s assigned TDMA time slot.

# Specifications

The StormLink ALERT2 Controller design includes the latest decoding and control technology, solar charger and load control sub-system, all on a single telemetry cabinet mount panel.

PARAMETERS	SPECIFICATION
<b>Radio frequency range</b>	VHF 135 to 174 MHz; UHF 406 to 470 MHz (up to 8 independent Tx/Rx pre-programmed frequencies, switch selectable)
<b>Data format</b>	ALERT2
<b>Data format</b>	HSE 3512 API commands over Ethernet
<b>Output power</b>	5 Watt (switch selectable), PTT test switch provided
<b>Squelch</b>	Open -112 dBm, Close -114 dBm
<b>Speaker</b>	Monitors Rx Channel
<b>Audio output for SINAD</b>	1/8 inch phone jack
<b>Antenna connector</b>	
<b>VHF</b>	N-Type (F)
<b>GPS</b>	SMA (F)
<b>Voltage</b>	12 to 15 VDC
<b>Current</b>	< 160 mA standby + current requirements of the warning lights (750 mA)
<b>Dimensions</b>	12 x 14 x 5.5 in (30.5 x 35.6 x 14 cm)
<b>Shipping weight</b>	9 lbs (4.1 kg)
<b>Programming and setup</b>	Insight software

ORDERING GUIDE	DESCRIPTION
<b>Master or remote controller: Flasher only</b>	<p>Includes the following mounted on an L-Panel Assembly:</p> <ul style="list-style-type: none"> <li>• StormLink ALERT2 Data Logger</li> <li>• ALERT2 Transceiver</li> <li>• Ritron Radio (148 to 174 MHz)</li> <li>• Lightning Protection (VHF &amp; GPS)</li> <li>• Battery cable 5 ft (152.4 cm)</li> <li>• Solar Charger &amp; Load Control</li> </ul> <p>Use with dual relay outputs. Relays sold separately.</p>
<b>Remote controller: Gate only</b>	<p>Includes the following mounted on an L-Panel Assembly:</p> <ul style="list-style-type: none"> <li>• StormLink ALERT2 Data Logger</li> <li>• ALERT2 Transceiver</li> <li>• Ritron Radio (148 to 174 MHz)</li> <li>• Lightning Protection (VHF &amp; GPS)</li> <li>• Battery cable 5 ft (152.4 cm)</li> <li>• Solar Charger &amp; Load Control</li> </ul> <p>Use with dual relay outputs. Relays sold separately. Use with barrier gate operator control and monitoring.</p>