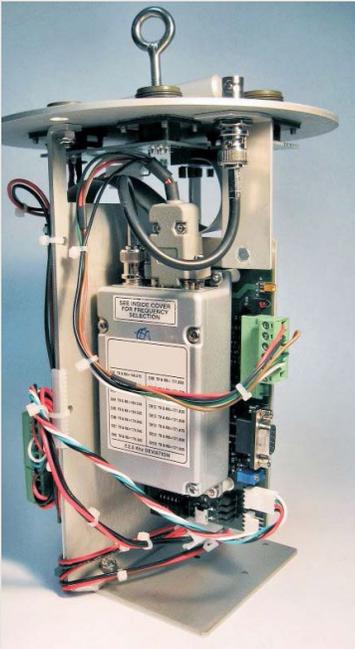
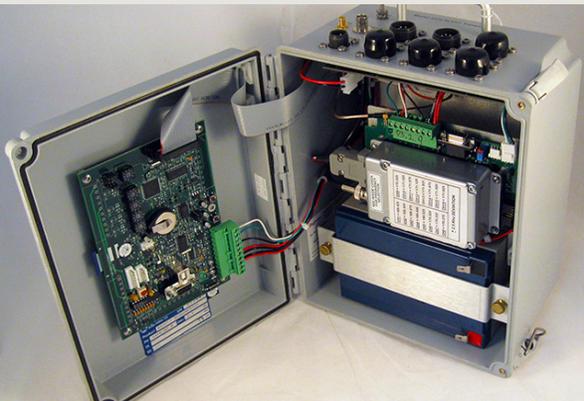


# StormLink® ALERT2 Data Transmitter



Canister version



Enclosure version

## Description

The **StormLink ALERT2 Data Transmitter** is a compact, full-featured data logger and telemetry device designed to meet the most rigorous hydrological and meteorological monitoring applications, including flood warning, stream and reservoir monitoring, rainfall measurement, and weather observation networks. It is capable of transmitting and recording a total of twenty (20) sensor inputs. The transmitter is programmable with a laptop (or desktop) computer and may be programmed on site. Program settings may be saved to a configuration file to facilitate recovery of station settings in the event of unit failure. In addition, where multiple stations use similar settings, basic station settings may be installed from a standard configuration file.

### KEY FEATURES

- Forward error correction
- Full engineering values
- TDMA reporting eliminates collisions
- Easily programmed with included Insight software

# Specifications

COMPONENT	SPECIFICATION
<b>Sensor inputs</b>	Analog, 2 Precipitation, 2 Shaft Encoder, 2 SDI-12, Wind. Battery Voltage and Wind Gust (if wind sensor is enabled) are internal sensors which use one of the available analog inputs)
<b>Total number of sensor inputs</b>	Up to 50 parameters
<b>Analog resolution</b>	12 bits (0.0012V)
<b>Sampling interval</b>	0 seconds to 18 hrs. programmable
<b>Reporting modes</b>	Timed-defined and/or event
<b>Reporting interval</b>	0 seconds to 596523 hrs. programmable
<b>Event change to report</b>	0 to 65535 counts
<b>Reporting override value</b>	0 to 65535 counts
<b>Data logging modes</b>	Timed-defined and/or on transmission
<b>Data logging interval</b>	0 seconds to 596523 hrs. programmable
<b>Data format</b>	ALERT2 Binary Standard
<b>Recorded data</b>	Integer or floating point
<b>Record size</b>	Integer: 9 bytes/record Floating point: 11 bytes/record, one file per month containing all sensors
<b>Memory</b>	16 GB SD Card
<b>Real-time clock</b>	Clock/calendar with on-board battery back-up with leap year correction, syncs with GPS
<b>Transmission baud rate</b>	4800
<b>TDMA slot size</b>	Selectable: 0.5, 1, 1.5, 2.5, 3, and 5 seconds
<b>TDMA frame size</b>	Selectable: 15, 30, 45, 60, 90, and 120 seconds
<b>On-board GPS receiver</b>	
<b>Sensistivity</b>	<-163 dBm
<b>Channels</b>	48
<b>GPS connector</b>	SMA female
<b>Radio frequency range</b>	VHF 136 to 174 MHz at 5W, UHF and other bands available
<b>Operating voltage</b>	12 to 18 VDC
<b>Current draw</b>	< 3 A transmitting, < 1.8 mA standby
<b>Battery</b>	12 VDC, 12 Amp hour
<b>Lightning protection</b>	Standard on all inputs
<b>Antenna connector</b>	BNC
<b>Operating temperature range</b>	-40° to 140° F (-40° to 60° C)
<b>Storage temperture range</b>	-58° to 158° F (-50° to 70° C)
<b>Programming and setup</b>	Insight software

ORDERING GUIDE	CANISTER	ENCLOSURE
<b>Analog inputs</b>	6	8
<b>Input connectors</b>	MS	MS
<b>Enclosure</b>	Aluminum cannister	Fiberglass water-resistant
<b>Dimensions</b>	7 x 17 in (17.8 x 42.2 cm)	12 x 14 x 5.5 in (30.5 x 35.6 x 14 cm)
<b>Weight (includes battery)</b>	15 lbs (6.8 kg)	14.5 lbs (6.6 kg)
<b>Estimated shipping weight*</b>	19 lbs (4.5 kg)	18.5 lbs (9.1 kg)

\*Battery shipped separately