PRODUCT DATA SHEET

StormLink® ALERT2 Data Logger

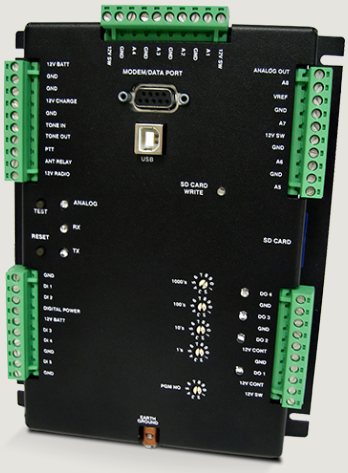
Key features

DATA LOGGER

- 8 Analog inputs
- 5 Digital inputs, including SDI-12
- Fuse protection on solar panel, battery, 12V switched
- 16 GB of removable memory

CONTROLLER

- Controller functions and commands enable the activation, either remotely or autonomously, of public warning systems, sirens, flashing beacons, barrier and barrier gates.

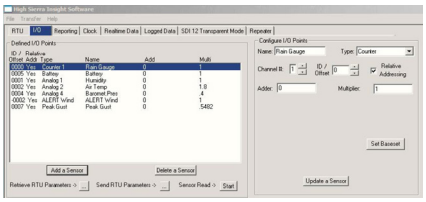


The **StormLink ALERT2 Data Logger** is a powerful and flexible data logger and controller designed with the field technician in mind. It is housed in an aluminum enclosure and connections are made using plug-in terminal strips which allow quick disconnect for easy installation or replacement. It is typically mounted in a gauge house, weather resistant cabinet, or NEMA4 enclosure to protect it from the elements. The StormLink ALERT2 Data Logger accepts up to 8 Analog inputs (plus internal battery), up to 2 shaft encoders, up to 2 precipitation, SDI-12, wind speed, wind direction, and peak gust.

The internal firmware is upgradable in the field. New firmware versions can be downloaded via the USB cable in just a few seconds.

Data are logged on a Secured Data (SD) memory card and can be retrieved via the USB port. The SD memory card can also be removed for later downloading and replaced with a spare card. The StormLink ALERT2 Data Logger includes a 16 gigabyte SD card.

Additional features include fuse protection on solar input, battery, and a 12V switch to avoid damage to the unit through shorting (the fuses automatically reset when they cool off); and, a dedicated USB port for programming, data retrieval, and uploading of new firmware versions.



SETUP AND CONFIGURATION

Quick and easy setup using Insight software enables the following independent programmable parameters for each sensor to be logged:

- ID number
- Multiplier and offset
- Sample interval
- Amount of change needed to generate an analog event
- Transmission hold-off time
- Amount of change needed to override transmission hold-off time
- A timed report interval and a logging interval

Specifications

PARAMETERS	SPECIFICATION	
Sensor inputs	8 Analog 0–5V, digital inputs including SDI-12, up to 2 Up-Only Counters, up to 2 Shaft Encoders,Wind Run, ALERT Wind format, and Peak Wind Gust.	
Total sensors	Up to 50	
Real-time clock	Clock/calendar with on-board battery back-up with leap year correction.	
Programmable parameters	**Parameter**	**Field Size (Bytes)**
	Sensor ID	2 (Signed Int, Sign ignored if next byte =0)
	Sensor Type #	1 (see below)
	SDI-12 Address	1
	Analog Warmup	1
	Sample Interval	2 (0–65535 sec or [18 hrs, 12 min, 15 sec.])
	Report Interval	4 (0-2,147,483,647 or > 1 year)
	Hold Off	2 (0–65535 seconds)
	Change to Tx	2
	Override to Tx	2
	Precision	1
	Adder	4 (float)
	Multiplier	4 (float)
	Base Set	2
Base set	User can initialize the current count on the following Sensor Types: Counters, Shaft Encoders, Wind Run and ALERT wind.	
Shaft Encoder parameters	Supports Quadrature format and Sierra Misco format. Supports Reversing Direction and Pulsed or Continuous Power.	
Live sensor reading	Supports reading sensors from user interface.	
Reporting modes	Each enabled sensor can be programmed to report/transmit on a user timed-defined basis and/or on a user-defined amount of change, also known as Event Mode. Logger can also be interrogated using a variety of modems, including GSM/GPRS, fiber, and RF.	
Logging	Each enabled sensor can log data on a user-defined time interval, as well as on a defined amount of change. If the data logger is also being used as a data transmitter, it can be set to log data on transmission.	
Logging medium	Data are recorded on a removable SD Memory Card.	
Low battery holdoff	When the battery drops below 10.5V, RF transmissions (if used) are disabled. Data logging continues if transmissions stop due to low battery.	
Programming	Insight software application (Windows GUI), or Rotary Switches	
Data format	ALERT Binary Standard	
Temperature range	-58° to 158° F (-50° to 70° C)	
Operating temperature	-40° to 140° F (-40° to 60° C)	
Lightning protection	Standard on ALL inputs	
Power	12 VDC <1 mA	
Size	6 x 7.5 x 1 in (15.2 x 19.1 x 2.54 cm)	
Weight	0.5 lbs (227 g).	
Shipping Weight	1 lbs (0.5 kg)	

ORDERING GUIDE	DESCRIPTION
StormLink ALERT2 Data Logger	Data Logger & Controller with programming cable and Insight software
Model 3306-56	Programming cable (replacement)