

1002 Series ALERT2 Demodulator

- Optional ALERT Receive Capability
- Ethernet & Serial Data Ports
- SD Card Storage & Logs Data
- Receive ALERT2 & Concentrated ALERT



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BENEFITS:

- Know when the data is being received by the LEDs located on the front of the Demodulator.
- Know exactly what time your ALERT2 message was received with an accurate time stamp notification.

DESCRIPTION:

The Model 1002 Series of ALERT2 Demodulator receives ALERT2 messages from remote sensing stations and passes them to a base station computer equipped with an ALERT2 base station software program. Data is exported simultaneously out both a serial data port and an optional Ethernet port. If the Demodulator is equipped to receive ALERT data, the "Active" LED will illuminate when data is being received. ALERT2 incoming data is indicated by the "Frame" and "Bit" LEDs.

In addition to receiving and demodulating ALERT2 data, some models in the 1002 series include an internal ALERT receiver/decoder to facilitate continued reception of ALERT data. The ALERT data is received on a dedicated radio and can utilize a separate frequency or share a frequency with the ALERT2 data. Depending on the specific configuration ordered, the output format of the ALERT data will either be Serial or Ethernet.

A micro SD card stores a log file of all received ALERT2 messages. A new file is created each day at midnight UTC time. The data may be accessed via an optional Ethernet connection.

In addition to streaming ALERT2 data to a terminal program or ALERT2 base station software program, the optional Ethernet port can also be used to retrieve log files and set up files. If permissions have been set up, it can also be used to modify the log file name or other setup files. Connection to a server through the optional Ethernet port, will also provide an accurate time stamp indicating precisely when each ALERT2 message was received.

The serial port can be used to send data to a terminal program or ALERT2 base station software program.

Up to 8 receive frequencies, specified by you, will be programmed into your demodulator at the factory, prior to shipment.

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Environmental Monitoring Solutions

WEB SITE: www.highsierraelectronics.com E-MAIL: sales@highsierraelectronics.com

MODEL 1002 ALERT2 Demodulator

SPECIFICATIONS:

Frequency Range	VHF 135 to 174 MHz
Data Format	ALERT2 (some models also receive ALERT)
Data Output	Serial port female DB9 connector and Ethernet
Serial Data Rate	19,200 Baud, 8 data bits, 1 stop bit, no parity
Switch Selectable	Define up to eight frequencies when ordering unit
Squelch	Open for ALERT2, squelched for optional ALERT receive
Radio Type	Ritron DTXL
Operating Voltage	12 to 18 VDC
Current Draw	< 200 mA (240 mA with optional internal ALERT)
Fuse	3 Amp
Enclosure	Aluminum box with external connectors
Connectors	
ALERT2 Receiver Antenna	SO-259 female
ALERT2 Serial Output	9-Pin serial female
ALERT Receiver Antenna	BNC female (optional)
ALERT Serial Output	9-Pin serial female (optional)
Ethernet	RJ45 (optional)
Power	Two 3-Pin MS connectors (one for power source & one for external back-up battery)
Console	9-Pin serial male
Operating Temperature	-22° to 122° F (-30° to 50° C)
Dimensions	13 x 3.8 x 14.5 in (33 x 9.5 x 36.8 cm) (W x H x D)
Weight	7.5 lbs (3.4 kg)
Shipping Weight	10 lbs (4.5 kg)

ORDERING GUIDE:

ALERT2 Demodulator	Model 1002	-		
ALERT Receive Capability	Internal ALERT Receiver	I		
	Serial Port for ALERT Messages	S		
	No ALERT Output	N		
ALERT Output Type	Serial ALERT Output	S		
	Ethernet ALERT Output	E		
	No ALERT Output	N		
Splitter/Multi-Coupler	Splitter Installed	S		
	Multi-Coupler Installed	M		
	Neither Installed	N		
Crystal Filter	Crystal Filter Installed	C		
	Two Crystal Filters Installed	2		
	No Crystal Filters Installed	N		

See www.highsierraelectronics.com for more specification and ordering details.

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