THERM•A•LERT

TEMPERATURE MONITORING AND ALARMING SYSTEM WITH WIRELESS TWO-WAY COMMUNICATION

TipTemp.com

Features

- Wireless Two-Way Communication
- Precision RTD Sensing Element
- View Data in Real-Time
- 2 Year Battery Life
- Battery Life Indicator
- N.I.S.T. Traceable
- Field Upgradeable

Benefits

- Fast Installation
- Minimal Long-Term Maintenance
- Full Communication From One PC

Applications

- Calibration chamber monitoring
- Laboratory monitoring
- Hospitals
- Blood Banks
- Warehouse Mapping

The MadgeTech Therm•A•Lert is a temperature monitoring and alarming system, designed specifically for laboratories, warehouses and other environments where temperature monitoring is critical. The system can be used to monitor a single location, or expanded to monitor hundreds of locations over a broad area (additional MadgeTech wireless loggers and transceivers may be required).

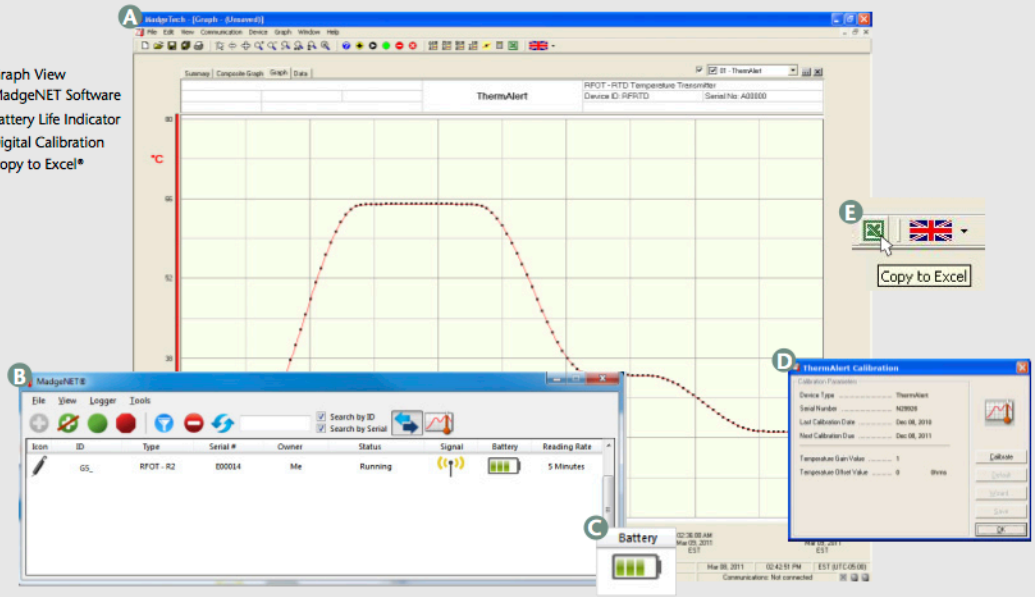
The Therm•A•Lert provides real time wireless, or wired, notification of temperature. The data logger features user programmable alarms that can be configured to send a message via text message (standard SMS rates apply), on-screen alarm and/or via e-mail if an alarm condition is met.

The Therm•A•Lert device is equipped with two-way wireless communication. MadgeTech wireless systems offer a flexible and robust integration for many applications. One PC can provide control and communication to all the wireless loggers within range, or the system can be divided into smaller subnets (using a different RF channel). In addition to the data being transmitted wirelessly, the Therm•A•Lert also stores each reading to non-volatile internal memory for a secure backup. Customers can also set up automatic archiving preferences, ensuring all data is saved and retained to comply with federal regulations.

MADGETECH DATA LOGGER SOFTWARE

Key

- A Graph View
- B MadgeNET Software
- C Battery Life Indicator
- D Digital Calibration
- E Copy to Excel®



Software Features:

- Multiple graph overlay
- Statistics
- Digital calibration
- Zoom in/ zoom out
- Lethality equations (F_0, PU)
- Mean Kinetic Temperature
- Full time zone support
- Data annotation
- Min./Max./Average lines
- Data table view
- Automatic report generation
- Summary view
- Multilingual

340 W. Broad St. Burlington, NJ 08016 USA
Phone: (609) 239-1900

THERM•A•LERT SPECIFICATIONS*

Temperature**

Temperature Range:	-20°C to +80°C (-4°F to +176°F)
Resolution:	0.01°C (0.018°F)
Calibrated Accuracy:	±0.5°C/±0.9°F (0°C to +50°C/32°F to 122°F)

Wireless

RF Frequency:	2.45GHz IEEE 802.15.4 ultra-low power MadgeNET wireless transceiver with fully bi-directional communication
Band:	ISM band 2.405-2.48 GHz
Maximum Output Power:	+0dBm typical
Receiver Sensitivity (RFC1000):	-95dBm typical
Range:	Line-of-sight 400', indoors 150'

*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. SPECIFIC WARRANTY REMEDY LIMITATIONS APPLY. CALL 1-603-456-2011 OR GO TO WWW.MADGETECH.COM FOR DETAILS.

**Temperature specifications based on ideal 100 Ω Pt RTD compliant with IEC 751 (1983) and ITS-90, 5000Ω.

BATTERY WARNING: Do not recharge, disassemble, heat above 125°C (257°F), incinerate or expose contents to water. Vent, rupture or explosion may result and cause severe burns.

General

Reading Rate:	One reading every two seconds to one every 24 hours
Memory:	30,000 readings; software configurable memory wrap
Wrap Around:	Yes
Start Modes:	• Immediate start • Delay start up to 18 months
Calibration:	Digital calibration through software
Calibration Date:	Automatically recorded within device
Battery Type:	3.6V lithium battery included; **user replaceable**
Battery Life:	2 years typical
Data Format:	Date and time stamped °C, °F, K, °R
Time Accuracy:	±1 minute / month (at 25°C)
Computer Interface:	RFC1000 required
Software:	XP SP3/Vista/Windows 7
Operating Environment:	-20°C to +80°C (-4°F to +176°F), 0%RH to 95%RH non-condensing
Dimensions:	2.2" x 5.25" x 1.3" (55mm x 133mm x 33mm)
Enclosure Material:	ABS Plastic
Approvals:	CE

ORDERING INFORMATION

MODEL	DESCRIPTION	PRICE (U.S.)
THERM•A•LERT	Temperature data logger with wireless transceiver	$229.00
RFC1000	Wireless RF transceiver for use with MadgeNET. USB to mini USB adapter included to connect to PC.	$149.00
RFC1000-REPEATER	Wireless RF transceiver for use with MadgeNET. USB to mini USB adapter and power supply included.	$149.00
***N.I.S.T.**	N.I.S.T. Calibration Certificate	$60.00
TLH-5903	Replacement battery for Therm•A•lert	$15.00

*To order the product with the N.I.S.T. certificate add *-CERT* to the end of the part number and add $60.00 to the price.

ASK ABOUT OUR OTHER DATA LOGGERS

Temperature
Humidity
Pressure
pH
Level
Shock
LCD Display
Pulse/Event/State
Current
Voltage
Wireless
Intrinsically Safe
Spectral Vibration
Motion