Room Alert 3E

Immediate return on investment the very first time it alerts managers about a threatening disaster.

One of the newest models in the Room Alert range of Temperature and Environment Monitors, Room Alert 3E is the smallest, most light weight and inexpensive model of Room Alert to date. At less than 57g and a size of 9.2cm L x 4.4cm W x 1.5cm H, Room Alert 3E includes special features standard on top of the line models. It includes a built-in digital temperature sensor, a digital port allowing connection of any digital sensor or a Light Tower & Relay Adapter, as well as a switch sensor channel that allows connection of any switch sensor or dry contact. Room Alert 3E is Power over Ethernet (PoE) enabled although can also be powered by a 5v 1A power adapter. (just £14). Room Alert 3E comes complete with built-in firmware for monitoring without a PC, Device ManageR application software for advanced network-wide monitoring, an SNMP MIB that allows monitoring by any SNMP enabled monitoring software and 1 years Support & Maintenance.

Room Alert 3E is a perfect solution for installations where a small footprint is required, there is no access to electric power, when investment funds are minimal or deployment volume is high.

Features Include:

- Power over Ethernet (PoE)
- Built-in Web Server
- Built-in Temperature Sensor
- 1 x External port for Sensor or Light Tower & Relay Adapter
- 1 x Switch Contact Sensor Channel.
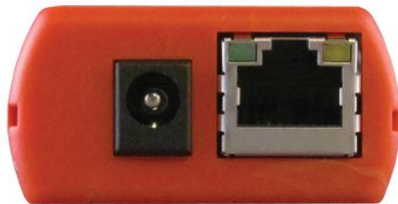- Alerting by Email, Email to SMS, SNMP and more.

Package Includes:

- Room Alert 3E
- 1 x Internal Temperature Sensor
- 3m Ethernet Cable
- Device Manager Software (included at no charge)
- BTI's 30 years experience of supporting business critical operations.

Hardware Images & Screenshot

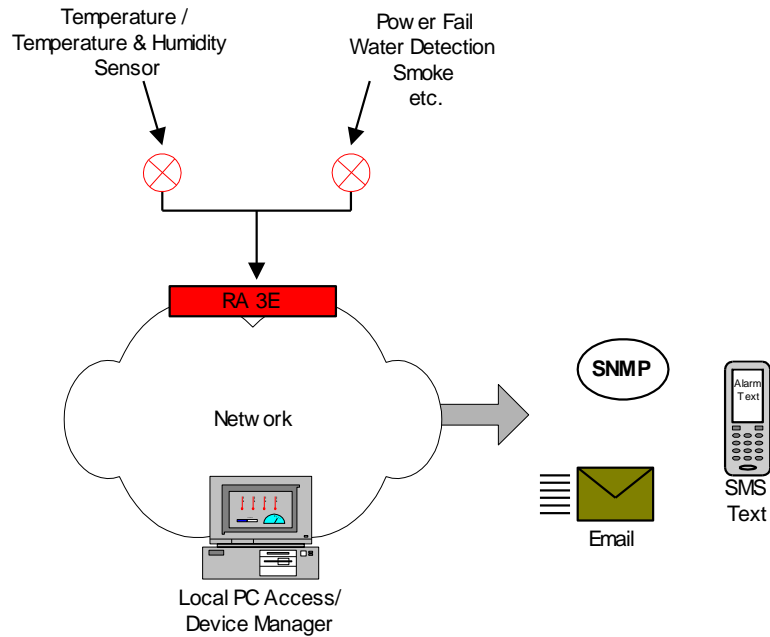**Front**   **Back**

Network Power

Main Power Port

Switch Sensor
Contact Set

Reset Button

External Environment
Sensor Channel

Status Screen

Typical Layout

Temperature /
Temperature & Humidity
Sensor

Power Fail
Water Detection
Smoke
etc.

RA 3E

Network

Local PC Access/
Device Manager

SNMP

Alarm Text

SMS Text

Email

Model Comparison

System	Internal Sensor	Sensor Inputs	Switch Inputs	0-5V Inputs	Relay Outputs
Room Alert 3E	Temperature	1	1	0	0
Room Alert 4ER	Temperature	2	1	0	0
Room Alert 12ER	Temperature	3	4	1	1
Room Alert 32E	Temperature & Humidity	8	16	2	2
Room Alert 32Wireless	Temperature & Humidity	8-38	16-21	2	2

Compatible Sensors

Sensors
Temperature
Temperature & Humidity
Outdoor Temperature
Fluid Temperature
Power Fail
Water Detection (2.5m
Water Detection (7m)
Water Detection (2.5m extension)
Smoke
Door Contacts
Movement Detector
Sound, Light, Entry (SLE)
Air Flow (Fly Lead)
Air Flow (Flexible Arm Mounting)
Light Tower
Relay Output
Any Volt Free relay contact

Features & Specification

Hardware	
ID Box Model	RA3E
ID Box Dimensions	0.875" H x 3.625" D x 1.75" W
ID Box Weight	0.222 Kg (7.8 oz)
ID Box Color	Red
Operating Temperature	-40 to 185 F (-40 to 85 C)
Operating Relative Humidity (Non-Condensing)	5% - 85% RH
Power Source	5 VDC 1A Adapter (Included)
Power Over Ethernet (PoE)	Yes (IEEE 802.3af)
Power Compatibility	110/240 VAC, 50/60 Hz, RoHS
Mini UPS (MUPS) Compatible	Yes
International Power Adapter Provided	Yes
Reset Button (Restore To Default Settings)	Yes
External Light Tower & Relay Connection Port	Yes, Use Digital Sensor Port w/Light Tower & Relay Adapter (LTA)
External Light Tower, Cable & Mounting Bracket	Optional
External Light Tower & Power Adapter Port	1 (via Digital Port)
Ethernet Port & Speed	RJ-45, 10/100 Mbps BaseTX
Ethernet Link & Activity Indicator	Yes
Ethernet Cable (Included)	No, Optional
Web Server (Built-In)	
Standalone Capability (No PC Required)	Yes
Built-In Web Server	Yes
Web Browser Interface	Yes
Password Protected	Yes, 3 Levels
Built-In Web Server Alert Methods	Email, SMS, SNMP, Web
Built-In Web Server Alert Recipients	Individuals, Groups, Hierarchies
Built-In Ping Capability	No
Graphic Sensor Status Displays	Yes
Real-Time Digital Temperature	Yes
Temperature Values Displayed	Yes, Fahrenheit or Celsius
Temperature High / Low Watermarks Displayed	Yes
Real-Time Digital Humidity	Yes
Humidity Values Displayed	Yes, % Relative Humidity
Humidity High / Low Watermarks Displayed	Yes
Heat Index Calculated & Displayed	Yes, Fahrenheit or Celsius
Real-Time Values In Alerts	Yes
Easy Click Firmware Updates	Yes
SNMP Enabled (Trap & Query)	Yes
Compatible With SNMP Monitoring Applications	Yes
Real-Time Logging Of Sensor Data Via...	Device ManageR & SNMP
Real-Time Sensor Data Feeds	HTTP, SNMP, JSON, AJAX
MIB Files Available	Yes, Download
Digital Sensors (Internal & External)	
Digital Sensor Compatibility	Temperature, Outdoor Temperature, Fluid Temperature, Temperature & Humidity
Built-In Digital Sensors (Internal)	Temperature
Digital Sensor Ports (External)	1 RJ-11
Digital Sensor Capacity (Total)	2
Digital Temperature Sensors (Included)	1 Internal
Digital Temperature Sensor Range	-67 to 257 F (-55 to 125 C)
Digital Temperature Sensor Accuracy	+ / - 0.125
Digital Humidity Sensors (Included)	No, Optional, 0 External
Digital Humidity Sensor Range	5% to 95% RH
Digital Humidity Sensor Accuracy	+ / - 3.5%
Digital Sensor Cable Type & Standard Length	RJ-11 Cable, 25'
Maximum Digital Sensor Cable Length	Approximately 100'
Digital Sensor Alert Indicator (LED)	No

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Switch Sensors (Internal & External)	
Switch Sensor Contact Sets (External)	1 On Back Side
Switch Sensor Capacity	1
Built-In Switch Sensors (Internal)	None
Dry Contacts (On Other Sensors or Devices)	Air Conditioner, UPS, Cooler, Etc.
Allows Multiple Sensors On Single Channel **	Yes, Via Chain or Spoke **
Switch Sensor Cable Type & Standard Length	2 Wire Cable, 25'
Maximum Switch Sensor Cable Length	Approximately 900'
Bundled Device ManageR Software	
Device Manager Software License	Full Use License Included Free