VACKER

TEMPERATURE MONITORING
ALERT DEVICE

Please note that the following specification is for a standard device and are subject to change based on the customer requirements. The exact specifications will be provided upon confirmation of customer requirements.

A simple instrument to monitor all your critical parameters. In case of any fault, the device will call up to 8 telephones and will deliver voice and SMS messages until one of them acknowledges the call. If the problem is not rectified after certain duration, the phone calls will be made again and so on.	

Temperature Data Logger Specifications

Measurement	Temperature Using (2) External Thermistor Sensor (#TR-0106)
Temperature	<u>Range</u>: -40°C to 110°C <u>Accuracy</u>: ±0.3°C (-20°C to 80°C); ±0.5°C (Other) <u>Resolution</u>: 0.1°C <u>Response Time</u>: About 190 Seconds to 90% <u>Thermal Time Constant</u>: About 75 Seconds
Data Storage Capacity	8,000 Samples/Readings
Alarms	High and Low Threshold Alarm Conditions with Email, Notification and External COntact Output Terminal for Buzzer, Siren, Lamp, or Electromagnetic Contactor
External Output Terminal	Alarm Output Terminal <u>Voltage When OFF</u>: AC/DC less than 50 Volts <u>Voltage When ON</u>: Less than 0.1 Amp <u>Resistance When ON</u>: About 35Ω
Sampling Interval	1,2,5,10,15,20,30 Seconds / 1,2,5,10,15,20,30,60 minutes (Total of 15 Choices)
Recording Mode	<u>Endless</u>: Overwrite Oldest Data when Capacity is Full
LCD Display Items	Current Readings / Recording Settings / Battery Life Warning / Over Measurement Range Warning / Amount of Recorded Data
Power	AC Adaptor (#AD-0638 - Included) Battery Backup: CR-2032 Lithium Coin Cell (Included) **NOTE: Battery is for Data Backup During Power Failure and Emergency Use Only. No Network Communications Available During Battery Operation.**
Data Backup	Approx. 3 Months on Battery Only
Communication Protocols	HTTP, SMTP, FTP, SNTP, DHCP and DNS **NOTE: SMTP Options: POP before SMTP, SMTP-AUTH**

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Communication Types	Wired LAN: RJ45 Connector 100 Base-TX/ 10 Base-T Auto MDI/MDI-X USB: Cable Attached from Computer to Data Logger - For Setup Only
OS Compatibility	Windows 8 and 7 (32-bit and 64-Bit Versions), Vista and XP (32-Bit) **NOTE: For Windows 8, Software Should Be Used in "Desktop" Mode Only**
Supported Browsers	Desktop: IE 6.0+, Firefox 15.0+, Chrome 22.0+, Safari 6.0+ Mobile: Safari (iOS); Chrome (iOS, Android), Firefox (Android)
Operating Environment	Temperature: -10°C to 60°C Humidity: 90% RH or Less (No Condensation)
Monitoring Functions	WebViewer: View Data Graphs, Current Readings and Settings in Browser WebStorage Service: "Anytime, Anywhere" Complete Management of Recorded Data and Data Logger Current Readings Monitor: Management of Current Readings of all Registered Devices on Same Network Mobile Devices: WebViewer Software and T&D WebStorage Service compatible with Smart Phones and Tablets
Standards Compliance	CE, FCC

Auto dialer specifications

Type of net work	Tri band GSM module. Optionally Quadband also can be supplied
No. of parameters to be monitored	Upto 4, eg 1 – temperature, 2 – power, 3 – Smoke etc.
No. of different voice messages	Upto 4, eg 1 – temperature out of range, 2 – power failure, 3 – Smoke Detected etc.
No. of different SMS messages	Upto 4, eg 1 – temperature out of range, 2 – power failure, 3 – Smoke Detected etc.
No. of mobile numbers that can be stored	8
Type of alert	Voice message and SMS
Operation	Upon any alert event, the stored mobile numbers will be dialed one by one. Upon attending the call, a voice message will be delivered indicating the type of the fault. The person who attends the call has to acknowledge the call by pressing # button in his phone. If first person does not attend, the call will go to second person and so on. If nobody attends or nobody acknowledges, the calls will circulate again. This cycle will repeat 99 times if nobody acknowledges. The number of cycles can be programmed.
Battery back up	Even if the power fails, the battery will operate for upto 2 hours
Programming	The programming can be done either through a computer or by sending SMS to the device

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Requirement of signal strength	Normal signal strength for mobile phones is required. If signal strength is very weak, only SMS will be sent.
Listen in function (Optional)	If you want to listen to what is going on inside the installation, you can dial the device and listen through your phone. This is only way operation and there will not be any ring tones at the receiving end. There will be an audio mic in our device and when you dial our device, you can just listen to the sounds near to our device.
Local Alarm/Siren (optional)	A Local alarm can be connected and upon occurrence of any faults, the local alarm will be sounded.
IP Protection	IP 4X. Weather proof enclosure available as an optional item
Anti tamper protection	Yes. If someone removes the device, alert will be made (optional facility)
Power	AC Adaptor (9V DC) Included Battery Backup: Included

The photo given above is one of our solutions and the type of device and panel size may be different based on the application

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