

Delta T Alert

Wireless Temperature Monitoring System

Delta T Alert™ is a wireless, self-contained temperature monitoring sensor that attaches to an electrical enclosure. The patented Delta T Alert™ unit is simple to install and comprises of two temperature sensors – one to monitor the electrical enclosure’s interior temperature and the second to monitor the ambient room temperature where the enclosure is located.

Delta T Alert™ sensors are configured to collect data on a daily basis at specific time intervals. The data is wirelessly transmitted for analysis and trending and warns the operator of temperature issues within their electrical enclosures – well before more serious problems occur Delta T provides an easier, more effective way to prevent costly electrical damage and system downtime.



Delta T Alert Components

- **Delta T Sensor:** Monitors the interior temperature of the electrical enclosure as well as the ambient room temperature where the unit is located.
- **Controller:** Up to 256 wireless sensors can be connected to a single controller to create an ad- hoc wireless mesh network (depending on building configurations and environmental conditions).
- **Software:** Receives the data from the controller, stores the collected information on a local machine, and makes the information available via the dashboard.

| Model | Body Diameter |
|------------------------------|-----------------------------------|
| Wireless Technology | Z-Wave™ 5th Gen |
| RF Range | Up to 300 ft |
| Back up Channel | Yes |
| Battery Life | 18-24 Months |
| Real Time Clock | Yes |
| Over The Air Updates | Yes |
| Daily Scheduled Reports | Up to 8 |
| On Demand Status Report | Yes |
| LED Indicator | Green, Red, Yellow |
| Operating Temperature | -40°C to +85°C -40°F to +185°F |
| Temperature Reading Accuracy | +/- 0.5°C |

| Model | Measurements | Frequency |
|--------------------------|------------------------|-----------------------|
| Delta T Alert FCC Series | 2.75"W x 4.5"H x 1.0"D | 908.4 MHz, 916 MHz |
| Delta T Alert CE Series | 2.75"W x 4.5"H x 1.0"D | 868.4 MHz, 869.85 MHz |

| System Requirements | Required | Recommended |
|----------------------|------------|---------------------|
| Operating System | Windows XP | Windows 7 or Higher |
| Processor Speed | 500 MHz | 1 GHz |
| RAM | 1 GB | 2 GB |
| Free Hard Disk Space | 5 GB | 10 GB |
| Display Resolution | 800 x 600 | 800 x 600 or Higher |

Caution: The dimensions listed above are not installation dimensions. Do NOT cut prior to receiving your IRISS window and installation template.

Delta T Alert Features:

- **Battery Operated:** runs on 3 AA batteries
- **Wireless:** creates an ad-hoc wireless mesh network with up to 256 sensors able to connect to a single controller (depending on building configurations and environmental conditions)
- **Easy to Install:** the sensors are small enough to be fitted nearly anywhere and have an internal magnet to help easily attach to metal enclosures
- **Emergency Alarm Notifications:** when a pre-determined temperature threshold is breached the system will provide an alert with the details and location in three separate ways:
 - Audio: the sensor has an audio alarm
 - Visual: the system dashboard with provide a visual alert and an LED light on the unit itself
 - E-mail: the system can send an e-mail alert notification to your designated team members
- **Reporting:** the system keeps track of all historical temperature data for Easy-to-build reporting and trending analysis
- **Temperature Sensors:** each unit has two temperature sensors – one for interior enclosure temperature and one for the ambient room temperature

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