



# 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<br>-40°F to +185°F |
| Temperature Reading Accuracy | +/- 0.5°C                         |

| Model                   | Measurements           | Frequency              |
|-------------------------|------------------------|------------------------|
| Delta T Alert AU Series | 2.75"W x 4.5"H x 1.0"D | 919.80 MHz, 921.40 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 will 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
- Contains a relative humidity sensor for advanced monitoring exclusively in Australia