AAT ANT-D-C
DEICER CONTROLLER

Reliable Ice Protection, Smarter Control.

The AAT Deicer Controller is an intelligent, rugged de-icing controller designed to manage and monitor antenna heating systems in broadcast and telecommunications environments. With precision environmental sensing, automated or manual control, and comprehensive remote monitoring capabilities, the AAT Deicer ensures optimal performance and reliability in all weather conditions. It's built to protect critical infrastructure from ice-related signal degradation and hardware damage while providing visibility and control from anywhere.

AMERICAN AMPLIFIER TECHNOLOGIES

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KEY FEATURES

- **Dual Environmental Monitoring:** Tracks temperature and humidity for accurate, site-specific readings.
- **AC Current Sensing:** Monitors heater power draw via current sensors to confirm active operation and detect anomalies.
- **Remote Monitoring Interfaces:** Access real-time data and control settings through Web GUI, SNMP, or EmPower.
- **Automatic Control Modes:** Built-in logic enables autonomous activation based on configurable environmental thresholds.
- **Manual Override Option:** Local or remote manual control allows for flexible system management when needed.

BENEFITS

- **Prevents Ice-Related Signal Loss:** Keeps antennas free from ice buildup to maintain optimal signal performance.
- **Reduces Manual Intervention:** Automatic operation minimizes the need for on-site checks and manual activation.
- **Remote Access (EmPower Enabled):** Manage systems remotely for uninterrupted operations.
- **Supports Operational Efficiency:** Current monitoring helps detect faults early and avoid unnecessary energy consumption.

SPECIFICATIONS

- **Heater Power:** 220VAC Single or Three Phase, 120VAC, or Other
- **Backup Controller Power:** 120VAC
- **Power Consumption:** 50 Watts
- **Maximum Heater Current:** 60 Amps
- **Operating Temperature:** -10°F to 120°F
- **Dimensions:** 16" x 16" x 8"
- **Weight:** 20 lbs.

EmPower by AAT

- **Remote Access:** Monitor and control systems remotely via the mobile-first platform with real-time alerts.
- **Security-First:** Built-in security measures ensure safe remote monitoring and data protection.
- **Simplified Maintenance:** Proactive alerts and fault history for easier troubleshooting and reduced downtime.
- **Remote Configuration:** Adjust system settings and parameters from anywhere, eliminating on-site visits.
- **Push Notifications:** Receive real-time alerts directly on your mobile device.
- **Data Analytics (Coming Soon):** Advanced tools to analyze performance metrics and optimize system efficiency.
- **Secure Multi-User Access (Coming Soon):** Role-based permissions for secure access and user management.