

# Introducing PowerPath™ Temp



Be Alerted to Temperature Control Problems  
Before They Happen

Our newest tag monitors internal temperature and power consumption of any device designed for refrigeration. It can detect open doors, laboring compressors, and AC power outages, alerting end users *before* temperatures are out of spec. Protect your valuable cold-chain products and use trend data for analysis and predictive maintenance.

## LIFETIME BATTERY

Stop managing batteries. Our tags operate on AC power and contain rechargeable batteries; so our tags stay active and continue to monitor temperature even on loss of AC power.

## NIST CERTIFIED

Our tags are available with NIST-certified probes, when required.

## LOCAL ALERTS

Our tags provide local, audible and visual alerts configurable to desired temperature ranges or warnings.

## BLUETOOTH LOW ENERGY COMPATIBLE

Our tags use modern Bluetooth Low Energy technology to connect with our smartphone app for interrogation and activation. Our app shows history of temperature readings, recent alerts, and power trend analysis.

## DEPLOY QUICKLY

PowerPath Temp is easily deployable with leading WLAN and RTLS systems. Tags are activated directly from our smartphone app and easily managed from our PowerPath Cloud Server. Our temperature probe mounts inside refrigeration devices and connects to our tag via flat ribbon cable. Quick disconnect allows easy replacement of probes, if needed.



## FEATURES

- Rechargeable, lifetime battery continues operation on loss of AC power.
- Alerts on and tracks temperature and power utilization of the monitored device.
- Provides audible and visible alert on temperature being out of target range or irregular power condition caused by "door ajar" or compressor malfunction.
- Phone/tablet app uses Bluetooth Low Energy for local data mode.
- Temperature probe allows quick disconnect from tag for replacement if needed.
- Cisco CCX Tag Compliant
- PowerPath server tracks temperature and alerts over time to generate reports for analysis and to meet compliance requirements.

## INSTALLING THE POWERPATH TAG

- The tag easily installs with any refrigerator (or other device) that uses a standard AC power cord (NEMA connector).
- Simply plug the refrigerator into the tag, and then plug the tag into the AC outlet.
- The tag can be mounted to the refrigerator using Velcro or via tie-wraps fed through the belt-loops on the underside of the tag.
- Optional locking connectors allow the power cables to be secured.
- The temperature probe has a flat ribbon cable that can run into the refrigerator behind the door seal or through an opening in the back.

## THE POWERPATH CLOUD SERVER

- The PowerPath Cloud server allows for easy tag configuration, and firmware updates, even after the tags are deployed in the field.
- The server also gathers temperature and power usage stats and can show reports on temperature and power over time.
- The server can send email or text alerts for various conditions such as temperature excursion, increase in compressor duty cycle or door ajar for "X" minutes.
- Generate reports to meet the compliance requirements of the Joint Commission and others.

## TECHNICAL SPECIFICATIONS

### Temperature

- Range -40 °C to +85 °C
- Accuracy of +/- 0.5 °C within target range (-10 to 85 °C)
- Resolution of +/- 0.1 °C
- Fully calibrated prior to shipment
- NIST certified probe available

### Radios

- 802.11b/g/n radio, 2.4 GHz
- Bluetooth LE radio, 2.4 GHz

### User Interface

- Multi-function button
- Activity and Alert LED
- Audio tone output

### Electrical

- Voltage Range: 110-240V AC
- Max Current: 12A
- Lifetime rechargeable battery
- Optional Locking mechanism for AC connectors

### Physical

- Dimensions: 4.3" x 2.6" x 1.6"
- Weight: 9 Oz.

### Tag Environmental

- 0 °C to 55 °C Tag Operating
- -20 °C to 65 °C Storage

### Certifications

- Emissions: FCC Part 15, CE, Canada
- Safety: UL/IEC 61010-3

## CONTACT EMANATE

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