ROOF TOP (RTU) MONITORING

UptimeIQ provides remote current, vibration, and temperature monitoring for Roof Top Units.

#R0726





CURRENT MONITORING

TEMPERATURE MONITORING

VIBRATION MONITORING

AI & HUMAN ANALYTICS

THE CHALLENGE

Rooftop HVAC units (RTUs) are among the most critical assets in commercial and industrial facilities. They provide heating and cooling for manufacturing plants, warehouses, office buildings, schools, hospitals, and distribution centers.

Unfortunately, these systems are often "out of sight and out of mind." Many facilities do not have trained HVAC technicians on staff and instead rely on outside service providers to diagnose and repair equipment after a failure has already occurred.

Without continuous monitoring, developing problems such as worn bearings, failing motors, fan imbalance, overheating components, or excessive electrical loads often go unnoticed until they result in costly breakdowns, uncomfortable working conditions, or unplanned downtime.

THE SOLUTION

UptimeIQ provides 24/7 condition monitoring for rooftop HVAC units using a combination of wireless sensors and intelligent analytics. Our solution continuously monitors:

- Vibration on condenser fans and motors
- Surface temperature on motors, bearings, and critical components
- Electrical current on the overall RTU
- Equipment operating trends over time

Sensor data is securely transmitted to the UptimeIQ platform, where AI-assisted analytics and user-defined thresholds work together to identify developing issues before they become equipment failures. Automatic email and text notifications alert maintenance personnel or service providers whenever abnormal operating conditions are detected.

THE RESULTS

Continuous monitoring gives facility managers visibility into equipment performance without requiring technicians to routinely inspect rooftop units.

Benefits include:

- Early identification of developing mechanical and electrical issues
- Reduced emergency HVAC service calls
- Improved maintenance planning
- Increased equipment reliability
- Extended equipment life
- Reduced risk of unexpected heating or cooling failures
- Improved occupant comfort and business continuity
- Remote access to equipment health from anywhere

Instead of reacting to equipment failures, maintenance teams can schedule repairs during planned maintenance windows, reducing costs and minimizing operational disruptions.

OVERVIEW

- Wireless vibration sensors
- Wireless temperature sensors
- Current monitoring sensors
- UptimeIQ monitoring platform
- AI-assisted analytics
- Secure cloud dashboards
- Automatic email and text message alerts

WHY UPTIMEIQ?

Whether managing a single building or hundreds of facilities, UptimeIQ helps organizations move from reactive maintenance to a smarter, predictive maintenance strategy.

Proud IIoT Integration Partner

BANNER
more sensors, more solutions

Let's Talk

See how UptimeIQ can help monitor your critical assets.

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SENSORS. DATA. INSIGHT. ACTION.

SCAN TO REQUEST A DEMO