Plus-X EM Series

Environmental Monitoring for ARC Plus

Fast Setup

Setting up the Plus-X EM series is easy. Sensors are plug-and-play, allowing you to get up and running in no time.

Monitor More than Ever

The Plus-X EM series uses digital temperature and humidity probes, supporting daisy-chaining and extended cable runs. This allows you to monitor more conditions than ever, with minimal installation effort and cost.
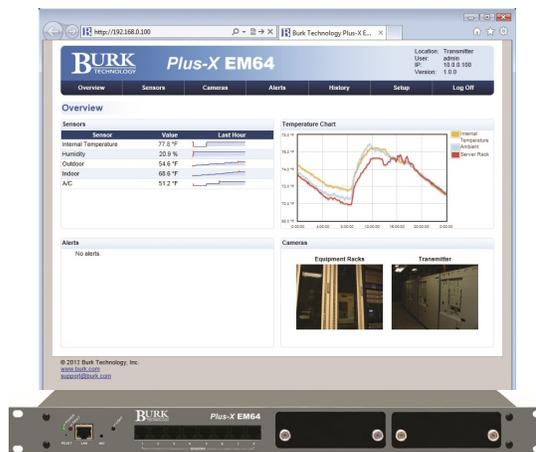
- Built-in temperature, light and sound sensors

- Easily expandable with external sensors

- Integrates with IP security cameras

- Communicates with ARC Plus over existing IP infrastructure

- Onboard web interface for setup, monitoring and access to historical data and charts

Protect your Equipment and Data

Environmental problems at remote sites can cause costly downtime, damage expensive equipment, and even lead to loss of mission-critical data. HVAC equipment failure, power outages, and simple human error can cause catastrophic problems—especially when running unattended. Broadcast equipment requires comprehensive monitoring of environmental conditions to detect a problem as early as possible.

The Plus-X EM series monitors temperature, humidity, flood/leak, and many other conditions that can cause serious problems. Email, SMS and SNMP notifications ensure that responsible personnel can respond quickly and effectively.

Watch for Early Warning Signs

Not all problems happen suddenly. A change in how equipment behaves over time may be an early warning sign of a serious problem. A gradual rise in temperature or a change in sound level may be evidence of impending equipment failure. Onboard charting allows you to watch for changes in environmental conditions over time, preventing a problem from becoming a crisis.

A Monitoring Solution that Grows with your Needs

The Plus-X EM series' unique modular design allows you to add capacity and features as you need them. Easily add new sensors as you add equipment, and take advantage of new functionality when you need it.

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Solutions you can use. Experience you can trust.

BURK TECHNOLOGY

Models

Plus-X EM64

Based on Burk's award-winning Climate Guard, the Plus-X EM64 supports a maximum of 64 sensors and two expansion modules. The EM64 also includes eight built-in switch inputs for contact closures.

Plus-X EM32

Based on Climate Guard LT, the Plus-X EM32 supports a maximum of 32 sensors.

Key Features

The Plus-X EM64 and EM32 offer the same rich feature set:

- ✓ Built-in web interface with SSL
- ✓ Email, SMS and SNMP alerts
- ✓ Onboard logging with charts
- ✓ IP security camera integration

Specifications

Dimensions:
1.75" (4.45cm) H
19" (48.26cm) W
5" (12.7cm) D

Power Requirements:
12VDC, 1A
AC Adapter included

Ethernet:
10/100 full or half duplex

Maximum Sensors:
EM64 (64 sensors total):
3 built-in sensors
8 switch inputs
8 powered switch inputs
45 digital sensors (with daisy-chaining)

EM32 (32 sensors total):
3 built-in sensors
8 powered switch inputs
21 digital sensors (with daisy-chaining)

Expansion Modules:
EM64 only: 2 expansion modules.

Front Panel LEDs:
Power, Fault;
Ethernet RJ45 LEDs: Link, Activity

Digital Sensor Inputs:
8 built-in ports for digital sensors and powered switch inputs

Switch Inputs:
EM64 only: 8 switch inputs for contact closures

Built-In Sensors:
Temperature, sound, light

Operating Temperature:
-40 to 50° C

Temperature Measurement:
± 0.5° C from -10 to 85° C
± 2° C from -55 to 125° C

Humidity Measurement:
0 to 100% RH

Protocols:
HTTP, HTTPS, SMTP, SMTP/SSL, SNMP v1, SNTP

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