

# Falcon F110

## Environmental Monitoring



The RLE Falcon F110 is a stand alone, plug-and-play (PnP) appliance that enables dynamic, real-time temperature, humidity and dry contact monitoring of critical equipment. The F110 monitoring system accommodates up to 3 PnP temperature/humidity sensors and 8 digital dry contact inputs (NO/NC, form "C").

The F110 allows for advanced alarm notification, NMS and BMS convergence, and remote monitoring via its web-enabled interface. It is a viable solution for facilities looking for an affordable way to improve the uptime of mission critical equipment.

### Multi-Protocol Monitoring and Alarm Notification

F110 monitoring systems are used to monitor equipment status and summary alarms from critical equipment. Monitoring of temperature and humidity is possible at up to three locations for each F110. Monitoring of dry contact signals such as power, water, smoke/fire, motion, air flow, entry, and more is possible at up to eight locations for each F110.

The monitored information can then be accessed as a web page. Once user-defined thresholds are exceeded, descriptive alarm notifications are sent via SMS, SNMP traps, and email. Users can check the status of equipment, and verify important information through a rich, embedded web server.

### Supports NMS and BMS Convergence

The F110 can operate as a stand alone system - without additional installation or integration costs - requiring no external PC or software to function. The F110 can interface easily with existing Network Management Systems (NMS) that accept SNMP traps, as well as Building Management Systems (BMS) that communicate via Modbus. It makes BMS integration simple by responding to Modbus requests over TCP/IP.

### Standard Falcon F110

- 8 Digital inputs (dry contacts, gold/Au clad)
- 3 PnP temperature/humidity sensors
- Modbus slave over TCP/IP
- SNMP (Gets, Sets, Traps)
- 5 VDC

### F110 Communication Ports

- RJ45 - Network, 10/100Base T
- DHCP - also static IP-addressable

### F110 Options

- Temperature sensor with RJ-11 connector (F110-TS, F110-THS)
- Digital air flow sensor (AVS-D)
- Rack mount bracket (F110-RMB)

