The Falcon F110 is a stand alone monitoring appliance that provides dynamic, real-time temperature, humidity and dry contact monitoring of computer rooms, data centers, or any critical environment. 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 F110 allows for advanced notification via email, SMS, and SNMP traps at specified temperature and humidity thresholds or dry contact alarms. These alerts give early warning of conditions that may be dangerous to the equipment in the environments that are being monitored. Having this knowledge will help your staff to stay ahead of the potential problems that cause costly downtime.

The F110 makes BMS (Building Management System) integration simple by responding to Modbus requests. Alarm, temperature, humidity, and dry contact information is all available via the Modbus protocol over TCP/IP. The F110 can also be easily incorporated into NMS (Network Management Systems) via the SNMP protocol. SNMP gets, sets, and traps keep your NMS staff informed of important factors in their critical environments.

The F110 is an affordable solution for facilities that need to track important factors and notify the right people of potential problems, in turn improving the uptime of important equipment.

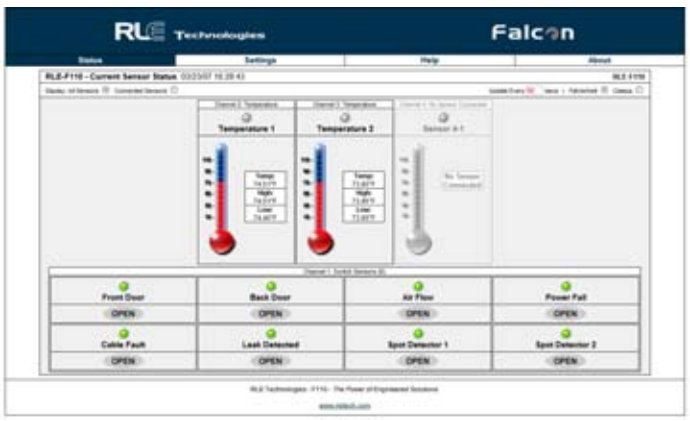
Key Features & Benefits

- Easy Ethernet 'plug and play' (PnP) setup for remote temperature and environment monitoring
- Notification of alarms via email, SMS, SNMP traps, and webpage update
- Built-in web server to monitor all critical points
- Accommodates 8 dry contact inputs and 3 pre-integrated temperature/humidity sensors
- Real-time monitoring, logging, advanced notifications, and customized thresholds
- Capable to interface to BMS system via Modbus over TCP/IP
- Monitor anywhere there is an Ethernet connection – **No PC required**
- RoHS compliant

Specifications

Power	5VDC @ 800mA max. (Wall Adaptor)
Wall Adapter Input	110/240VAC 50/60Hz
Inputs	
Temperature/Humidity	3 Digital temperature or digital temperature/humidity sensor inputs; plug-and-play; configurable alarm points
Digital (Dry Contact)	8 Dry contact / Digital alarm points; configurable alarm points
Input Cable Length	25' (7.62m) standard; Up to 100' (30m)
Communications Ports	
Ethernet	10/100 BaseT, RJ45 connector; DHCP enabled (default); Static IP-addressable
Protocols	
TCP/IP; NTP;	IPv4.0
HTTP/HTML; Telnet	1.1/4.0
SNMP	V1; NMS Manageable with Get, and Traps; V2c- Traps or Informs
SMTP (email)	No Client Authentication; SMTP relay
Modbus (TCP/IP)	Modbus slave; TCP/IP transmission protocol
Alarm Notification	
Email	1 Email field (for one or multiple recipients); email sent on alarm; alarms notify email recipients; regular email, distribution list, or email-to-SMS accepted
SNMP Traps	1 Community string with up to 3 manager IP addresses
Login Security	
Web Browser Access	1 Universal web password for administrator access
Front Panel Interface	
LED Indicators	Power: 1 green; Network Link: 1 green; Network Activity: 1 amber
Operating Environment	
Temperature	-40°F to 185°F (-40°C to 85°C)
Humidity	5% to 85% RH, non-condensing
Altitude	15,000' (4,572m) max.
Storage Environment	-40°F to 185°F (-40°C to 85°C)
Dimensions	
Box Enclosure	4.56"W x 1.25"H x 2.25"D (115.8mmW x 31.75mmH x 57.15mmD)
Rack Mount	19.0"W x 1.75"H x 3.75"D (482.6mmW x 44.45mmH x 95.25mmD)
Weight	
Box Enclosure	10 oz. (283g)
Rack Mount	20 oz. (567g)
Mounting	Vertical wall mount or rack mount (mounting brackets optional)
Certifications	CE; UL STD 17DU E248122; EN STD 5502; ICES-003 Issue 4; FCC 47 CFR Part 15; VCCI; AS/NZS CISPR 22: EN 61326

Sensor Status Screen



The F110 Status Screen is available through the built-in web server and shows the current status of the attached sensors. If high and low alert thresholds are defined for the temperature or temperature/humidity sensors, the status icon above the sensor label changes color based upon where the temperature or humidity is in relation to the established high and low thresholds. The 'Status' screen also displays the current status of any switch sensors connected to the F110 box.

Falcon

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