RLE Technologies

Falcon
F200

Designed to be simple, effective, and efficient, RLE Technologies' F200 monitors environmental parameters and protects facilities from disastrous consequences.

The F200 accepts inputs from four external sensors - you choose whether you'd like to deploy temperature sensors, temperature/humidity sensors, or a combination of the two. An extended leader on the sensors allows you to sample readings from a variety of different points within the vicinity of the F200. From floor to ceiling and corner to corner, you'll know the real-time temperature and humidity within your facility.

Eight digital inputs provide unlimited monitoring possibilities. Use these dry contacts to monitor something as simple as whether a door is opened or closed - handy if you're using the F200 in conjunction with a server cabinet or in a small business application. These digital inputs can also be used to monitor more complex parameters including motion sensors, fire alarms, gas detectors, airflow sensors, and summary alarms from critical equipment including UPSs and generators. You can even use the F200's relay output to control an external device in the event of an alarm condition.

Need leak detection too? We've got you covered. The F200 also includes a single zone leak detection component - it can supervise an SD-Z1 spot detector or up to 200 feet of our patented leak detection sensing cable and inline SD-Z spot detectors.

Once all your monitoring connections are snapped into place, the F200 does the rest. Information is displayed on the F200's sleek, integrated web interface. Intuitive options and menuing keep configuration quick and easy, and the interface can be accessed from any computer or mobile device. The F200 keeps you connected and informed. It provides email notification when environmental conditions exceed acceptable limits, and SNMP and Modbus output protocols allow the data to easily integrate into management systems.

Features

- Simple installation and setup
- Web-accessible with a clean, easy to use, mobile-friendly web interface
- Monitors eight dry contact inputs and four temperature or temperature/humidity sensors, plus one zone of leak detection
- Single zone leak detection supports up to 200' of sensing cable and spot detectors
- USB power - run the F200 from a wall outlet via included adapter or a USB port on a server or other computer
- Multiple alarm notification configurations including audible and visible indicators, integrated web interface, email messaging, and SNMP traps
- Relay output allows for simple control of an external device upon alarm condition
- Modbus output enables simple integration to a Building Management System (BMS)
- Integrated logging and trending, including CSV downloadable trending data.

Benefits

- Plug-and-Play configuration enables quick and effective monitoring of any local or remote facility
- Real-time monitoring, advanced notifications, and customizable thresholds

Available Accessories

- 1-wire digital temperature sensor
- 1-wire digital temperature/humidity sensor
- Leak detection sensing cable

Monitoring & Notification

F200 Specifications

Power	(US) 5VDC @ 500mA max.; 110/240VAC 50/60Hz; Wall adapter (Type A blade) to USB connector, with Type C, G, and I blades for international use (included)
Included Accessories	3.3ft (1m) network cable; USB (Type A) power adapter with Type C, G, and I blades included; and USB mini B to USB A cable
Wired Inputs	
Temperature/Humidity	4 1-wire digital temperature or 1-wire digital temperature/humidity sensor inputs; plug-and-play; configurable alarm points
Digital (Dry Contact)	8 digital alarm points; configurable
Sensing Cable	One zone leak detection, compatible with all SeaHawk sensing cables and SD-Z and SD-Z1 spot detectors
Cable Input	15ft (4.57m) leader cable and EOL (LC-KIT; not included), or wire one SD-Z1 directly to the F200
Maximum Length	200ft (61m) of conductive fluid sensing cable, or 140ft (43m) of chemical sensing cable
Relay Output	1 Form C summary relay; 2A @ 30VDC, 0.5A @125VAC. Configurable as summary alarm output or manual operation.
Alarm Notification	
Panel	Audible alarm, visible LED
Integrated Web Interface	Dashboard overview with alarm indicators
Email	up to 8 email recipients; email sent on alarm to all recipients, distribution list, or email-to-SMS
SNMP Traps	Multiple community strings
Relay	1 Form C summary relay output
Web Interface Login Security	8 password read only users; 8 password read/write users
Communication Port	
Ethernet	10/100 BaseT, RJ45 connector; 500VAC RMS isolation; DHCP enabled; Static IP-addressable
Protocols	
TCP/IP	ARP; DNS; UDP; DHCP; ICMP
HTML	Supports multiple simultaneous connections
SMTP (email)	SMTP authentication; SMTP relay; supports SSL; up to 8 recipients
Modbus TCP/IP	Modbus slave; TCP/IP transmission protocol
SNMP	V1; V2C MIB-2 compliant; NMS manageable with Get and Traps: V2C Get, V2C and V1 Traps
NTP	Custom server settings
Logging	Logs 50 most recent alarm and return to normal events with date/time stamp.
Trending	Records up to 86,400 points of sensor data. Sample interval set from 1 second to 1 day. CSV downloadable.
Operating Environment	
Temperature	-40°F to 185°F (-40°C to 85°C)
Humidity	0% to 100% RH, non-condensing
Altitude	15,000ft (4,572m) max.
Storage Environment	-40°F to 185°F (-40°C to 85°C)
Dimensions	5.63"W x 1.00"H x 2.63"D (143mmW x 25mmH x 67mmD)
Weight	10.1 oz. (287g)
Mounting	Stand alone; keyholes included for wall mount; rack mount bracket available
Certifications	CE; ETL listed: conforms to UL 61010-1, EN 61010-1; certified to CSA C22.2 NO. 61010-1; RoHS compliant

v1.5
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