

F200 Facility Monitoring and Single Zone Leak Detection

Miscellaneous Devices

Applications

- Server racks
- Data cabinets and closets
- Telecommunications shelters

Key Features

- Monitors:
 - Four 1-wire sensors
 - Eight digital inputs
 - One zone of leak detection
- Plug-and-Play installation and setup
- USB powered
- Web-accessible with a clean, easy to use, mobile-friendly web interface
- Timekeeping via RTC or NTP
- Modbus output enables simple integration to a Building Management System (BMS)



Designed To Be Simple, Effective, And Efficient

This innovative, affordable product couples leak detection and facility monitoring in one plug-and-play package.

What Sets The F200 Apart?

- **1-wire and digital inputs** let you tailor the F200 to monitor your environmental needs; connect four 1-wire sensors (temp or temp/humidity) and eight digital inputs
- **Use one zone of leak detection** to supervise an SD-Z1 spot detector or up to 200 feet of our patented leak detection sensing cable and inline SD-Z spot detectors
- **A relay output** can control an external device in the event of an alarm condition
- **Multiple alarm notification configurations** including audible and visible indicators, integrated web interface, email messaging, and SNMP traps
- **Integrated Logging and Customizable Trending** – Trending data is available as a downloadable CSV file

F200 • Compatible with RJ11-T and RJ11-TH sensors and RLE leak detection products

Product Codes	
F200	Monitoring Appliance; 8DI, 4 RJ-11 inputs, Single Zone leak detection input. 12V boost converter for dry contacts, includes standard USB-A to mini-B cable, 5VDC USB wall adapter w/ type A, C G & I adapter blades
F200-RMB	F200 rack mount bracket; 19in/482mm; one F200-RMB can accommodate two F200 units
RJ11-TS	F200 temperature sensor; 25ft leader cable with RJ-11 connector
RJ11-THS	F200 temperature and humidity sensor; 25ft leader cable with RJ-11 connector

Technical 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	USB (Type A) power adapter with Type C, G, and I blades included; and USB mini B to USB A cable
Wired Inputs	4 1-wire digital temperature or 1-wire digital temperature/humidity sensor inputs; plug-and-play; configurable alarm points
Temperature/Humidity 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 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 capable; Static IP-addressable
Protocols	ARP; DNS; UDP; DHCP
TCP/IP	Supports multiple simultaneous connections
HTML	SMTP authentication; supports SSLv3 RSA:RC4-128:MD5; up to 8 recipients
SMTP (email)	Modbus slave; TCP/IP transmission protocol
Modbus TCP/IP	V1; V2C MIB-2 compliant; NMS manageable with Get and Traps: V2C Get, V2C and V1 Traps
SNMP	
Timekeeping	Onboard configurable real-time clock (RTC); Network Time Protocol (NTP) capable (internet access required for NTP).
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 10 seconds to 1 day. CSV downloadable.
Operating Environment	-13°F to 158°F (-25°C to 70°C)
Temperature	5% to 95% RH, non-condensing
Humidity	15,000ft (4,572m) max.
Altitude	
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



F200 Front Connections



F200 Back Connections



Optional Rack Mount Bracket