

# Falcon F-Series

## Environmental Monitoring



The F-Series monitoring systems - the F3400 and F1000 - provide equipment protection by monitoring critical operating parameters in enterprises, remote network facilities, communication rooms, unmanned facilities, and critical support systems. These stand alone systems operate via embedded firmware that handles all data collection, alarm reporting, and multiple concurrent communication mediums.

### Versatile Environmental Monitoring

Both the F1000 and F3400 accommodate up to 4 analog, 4 digital (dry contact) or thermistor signals. The F3400 allows for an additional 24 digital only inputs. The inputs can be used to monitor simple contact closure signals such as summary alarms, thermistor temperature sensors, or analog inputs (4-20mA) that provide variable output such as temperature, humidity, voltage, current or pressure. Both systems provide 2 relay outputs (form C) for additional equipment control or annunciation of alarm conditions.

### Web-Based Monitoring and Security Surveillance

The F-Series systems provide web-based monitoring and access to status information about each device being monitored. In addition, it can be integrated with any SNMP management system (Gets/Sets, Traps) and supports IP surveillance camera integration. Web pages are protected by a three-level read/write/administrator encrypted password protection.

### Redundant Alarm Notification

When an alarm occurs, early notification can help you avoid pending problems. Immediate notification can be sent via SNMP, Modbus slave RTU or TCP/IP, and email to as many as 4 recipients. Also, with an optional internal modem, up to 4 phone numbers and/or pagers can be alerted of alarm conditions.

### Modbus Integration

Both F-Series systems come standard with Modbus slave RTU or TCP/IP capability allowing for seamless BMS (Building Management System) integration. This two-wire communication also allows for direct plug-and-play (PnP) integration with up to eight RLE Seahawk Leak Detection Systems, including the LD5100, LD2000, and LDRA6.

### Falcon F1000

- 8 Inputs - 4 digital / thermistor, 4 analog (4-20mA)
- 2 Form C relay outputs
- 24VDC (power supply included)

### Falcon F3400

- 8 Inputs - 4 digital / thermistor, 4 analog (4-20mA)
- Additional 24 digital only inputs
- 2 Form C relay outputs
- 24VDC (power supply included)

### F-Series Communication Ports

- RJ45 - Network, 10 BaseT
- EIA-232 - Direct connect, Modbus
- EIA-485 - Modbus

### F-Series Options

- RJ11 - Internal, PPP enabled modem
- Wall mount brackets

