

Falcon Environmental Sensors

Environmental Monitoring



RLE offers a variety of sensors that integrate into the Falcon monitoring systems to provide you with a complete, pre-integrated, pre-tested monitoring system. The Falcon FMS and Falcon F-Series systems provide 24VDC to power sensors.

Complete Monitoring Systems

The most common Falcon sensors are listed below. Notably, thanks to our valued relationships with trusted manufacturers, RLE can provide a cost-effective solution that meets your unique needs.

Build Your Monitoring System

In addition to the sensors you see here, the Falcon FMS is extremely versatile and accepts dry contacts, 4-20mA, 0-5V, 0-10V, and Modbus signals. Contact us for assistance in building a monitoring system that suits your needs.



Temperature & Humidity Sensors

Temperature (T) and humidity (H) sensors are critical for sensitive environments. Choose from temperature only or temperature/humidity (TH) models, with 4-20mA outputs for easy integration.

Sensors for Falcon F110

- **F110-TS** - T-sensor, RJ-11 connector
- **F110-THS** - TH-sensor, RJ-11 connector

Humidity Sensors

- **H130** - indoor, 2%, 4-20A, 12-24-VDC

Temperature Sensors

- **T10K** - thermistor for F-Series, RJ-11 connector
- **T120D** - LCD display, 4-20A, wall mount, 12-24-VDC
- **T120-O** - outdoor, -58F to 122F, 4-20mA, 12-24VDC
- **TSO** - pipe strap on, 4-20mA, 12-24VDC
- **DMTS** - duct mount, 4-20mA, 12-24VDC

Temperature & Humidity Sensors

- **TH140** - 4-20A, wall mount, 12-24-VDC
- **TH140D** - LCD display, 4-20A, wall mount, 12-24-VDC
- **THO140** - outdoor, -58F to 122F, 4-20mA, 12-24VDC

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Airflow Sensors

Used to identify either the loss of airflow (NO/NC Dry contact) or the actual volume of the airflow being monitored (4-20mA) in real-time.

- **AFS-D** - dry contact
 - **AV65WM** - wall mount, 4-20mA, 8in probe
 - **AV65DM** - duct mount, 4-20mA, 8in probe
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Power Monitoring & Control

Sensors include: power fail monitors, ground fault monitors, current and voltage transducers, branch circuit monitors, power meters, and power adaptors, relay controlled outlets and more.



Security & Intrusion Monitoring

Sensors include: motion sensors, magnetic door sensors, IP network cameras, and alarm strobe lights.



Gas Detectors

Used to detect the presence of volatile vapors from a range of gases, including: hydrogen, carbon monoxide, heating gases, refrigerants, and others. Please contact RLE for more information.

HD150 - single relay (10% LEL), 24VAC/DC

HD150-2 - two relays (10% & 25% LEL), 24VAC/DC



Smoke Detectors

Photoelectric units forewarn when smoke is detected in critical areas.

SMK-1 - Smoke detector, photoelectric, single relay