GAS & SPECIALTY SENSORS

REFRIGERANT GAS MONITOR

QIRF SERIES



DESCRIPTION

The ACI Model QIRF Single Zone Refrigerant Gas Monitor is designed for continuous monitoring of R11, R22, R123, R134a, R404a or R507a refrigerants. Three adjustable alarm levels with relay output designate leak, spill, and evacuation concentrations. Gas alarms and system fault conditions are indicated by visual and audible alarms. The Model QIRF provides a system fault relay output and a 4 to 20 mA output for integration with remote monitoring equipment or building management systems. The QIRF Single Zone Refrigerant Gas Monitor is designed to be used as part of a control system that helps to prevent the formation of a hazardous environment when properly installed and maintained.







FEATURES

- · Three alarm levels with SPDT alarm contacts
- 4-20 mA output signal
- Audible and visual alarm indication
- Infrared sensing technology
- · Alarm-silence button
- NEMA 4 (IP66), 12, 13

Operating Humidity

Dimensions

Weight

Warranty

• 1/2" barbed fitting (tubing not included)

INSTALLATION

The monitor should be located outside the mechanical room and readily accessible for verification and servicing. The sample line should be located as close as possible to the source of a potential leak.

SPECIFICATIONS Supply Voltage 18 to 30 VDC @ 1000 mA, 15 to 24 VAC @ 24 VA Signal Output 4-20 mA 600Ω or 2-10 VDC (jumper selectable) Accuracy ±3% of reading **Measurement Range** 0-100 ppm R-123, 0-1000 ppm All others Sensing Technology Single pass, infrared non-dispersive **Gases Detected** (Model Specific) R-11, R-22, R-123, R-134a, R-404a, R-407c, R-408a, R-410a, R-114, R-116, R-438, R-507a **Alarm Relay Output** 3 alarm relays, 1 fault relay, SPDT, 30 VDC @ 1.0 A; 0.3 A @ 125 VAC Communication **Protocol** RS-485 Display 2 x 8 character Backlight, and five LEDs Buzzer 80 dB

Operating Temperature -49° to 149°F (-45° to 65°C)

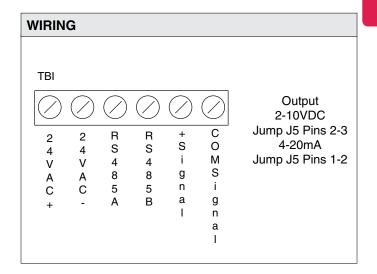
5% to 95% RH non-condensing

4.7"H x 3.5"D x 7.9"L

(12.0 x 9.0 x 20.0 cm)

1.5 lb (0.68 Kg)

2 years



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ORDERING INFORMATION

QIRF-0R11X-0	Single Zone Refrigerant monitor of R-11
QIRF-0R22X-0	Single Zone Refrigerant monitor of R-22
QIRF-123X-0	Single Zone Refrigerant monitor of R-123
QIRF-134AX-0	Single Zone Refrigerant monitor of R-134a
QIRF-404AX-0	Single Zone Refrigerant monitor of R-404a
QIRF-407CX-0	Single Zone Refrigerant monitor of R-407c
QIRF-410AX-0	Single Zone Refrigerant monitor of R-410a
QIRF-507AX-0	Single Zone Refrigerant monitor of R-507a
QIRF-R114X-0	Single Zone Refrigerant monitor of R-114
QIRF-R116X-0	Single Zone Refrigerant monitor of R-116

RELATED PRODUCTS

T-101 NIOSHSCBA 691-K0A DCP-1.5-W 1/4" OD black poly tubing, 1 coil, 250 ft (76 m) Self-contained breathing apparatus kit Control transformer, 120:24 VAC, 40 VA, Class 2 Power supply, 24 VAC IN to 24 VDC OUT