

VRF Refrigerant Leak Detection for Occupied Space

Designed to meet the need for a cost-effective and reliable solution to detect VRF refrigerant leaks in occupied space as in hotels, hospitals, senior living facilities, school buildings, and other occupied spaces, in both, new construction and retro-fits taking advantage of the cost-savings of VRF technologies.

Key Features:

- Reliable detection with Non Dispersive Infrared (NDIR) technology, stable and accurate.
- Lowest lifetime total cost 2-year warranty and 5+ year expected lifetime (IR source).
- 5 seconds complete unit functionality test.
- Onboard diagnostics with unit fault alarm.
- Fits in standard 2 gang junction box.
- Modbus RS485 comm.
- No need for yearly calibration or service.



Technical Specifications: Model: **U4762R410A**

Application	Designed for use in detecting VRF System refrigerant leaks in an occupied space. Typical Application Includes:	
	• Hotels • Hos	spitals
	• Schools • Uni	iversities
	Senior Living Mu	ulti Family
	Hospitality Hist	, toric Buildings
	Restaurants Ret	tail
	*For use on non-classified areas	s only.
Sensing Element	Non Dispersive Infrared (NDIR)	
Detectable Gases	R410a	
Supply Voltage	120VAC, 60Hz	
Power Consumption	44 mA amps @ 120VAC	
Relay Output	Two SPDT (Form C) Dry Contacts 1.0A max. @ 24 VDC	
Alarm Relays Actuation Points	Relay 1 & 2 at 2000 ppm	
Multicolor Status LED Indication	Green Blinking Warm	
	Green fixed Norm	nal status
	Yellow Fault	
	Red blinking Alarm	I
Buzzer	83 dB at 10"	
Serial Communications	Modbus RTU slave	
Transmission Standard	RS485 (2-wire)	
Installation	Mounted 18" from the floor, below the discharge of the fan coil.	
	Fits in standard 2 gang junction box.	
Factory Calibration Range	5000 PPM	
Accuracy	± 5% full-scale range under 50% full-scale, ±7% full-scale range above	
	50% of full-scale.	
Storage Temperature	-15 to 140 F	
Operating Temperature	-4 to 140 F	
Relative Humidity	0-90 %RH non-condensing	
Response time	T90 <30 seconds	
Sensor Warmup time	2 min unit initialization – 1 hour for full specification performance	
Recommended Maintenance	Accuracy & Bump Test once per year or as required by Code	
Warranty	2 years	
IP Rating	IP42	
Approvals	EN 61000-6-3:2007 + A1:201; EN 50270:2015, IEC 60335-2-40Annex LL,	
	EN 378-3, EN 50676 and EN 14624, ISP5149-3, REACH/RoHS, CE Mark	
Product Weight	0.44 lb. (200 g)	
Product Dimensions	Width 5.11 in (13.0 cm), Height 5.11 in (13.0 cm), Depth 2.36 in (6.0 cm)	
Specifications Subject to Change Without Notice		



Dimensions:





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