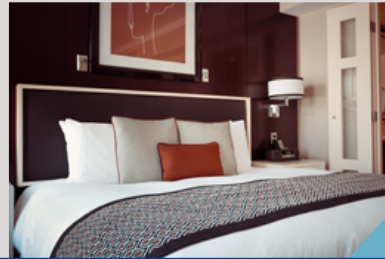


Macurco™

BUILDING & HOME SOLUTIONS

Whether you are looking for gas detection for a security system, building automation or HVAC system, for personal safety or for monitoring specific gases in potentially hazardous environments, Macurco has a gas detector to meet your needs.



RD-VRF Series

VRF Refrigerant Leak Detector

The Macurco RD-VRF Refrigerant Gas Detector is designed to provide continuous refrigerant monitoring in VRF (Variable Refrigerant Flow) applications. Depending on the type of refrigerant, a leak in refrigerant gas could develop an oxygen depleting environment that may lead to asphyxiation or combustible refrigerant may lead to an explosion. The RD-VRF Refrigerant Gas Detector comes standard with 2 alarm levels providing advanced warning via low detection alarming and notification locally or via a Building Management System (BMS).



RD-VRF Series

Key Features

- 10-year sensor life
- Easy installation to double gang box or 4x4 electrical box
- Aesthetically pleasing – flush mount face plate
- Stable and accurate NDIR sensor
- Same model provides either 24V or 120V options
- Internal display for programming/testing
- Minimal maintenance required - recommend calibration yearly
- 2 SPDT (Form C) relays
- Digital Output: Modbus (STD)
- Multicolor LED status indicator
- Built in cal-port connection
- Works with Macurco digital control panels

Applications

- Hotels
- Apartments
- Senior living
- Hospitality
- Restaurants
- Retail
- Hospitals
- Universities
- Multi-family
- Commercial offices



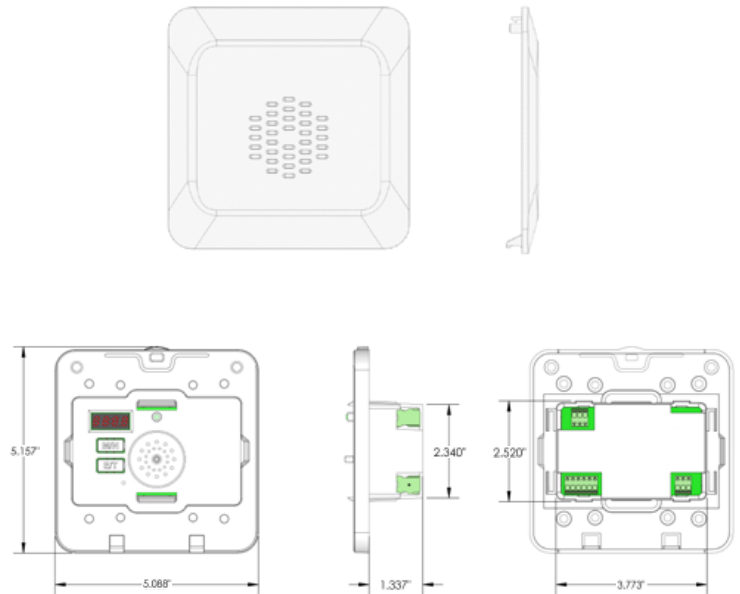
RD-VRF Series

RD-VRF Series

Specifications

Size	5.157"(H) x 5.088"(W) x 1.861"(D)
Shipping Weight	0.5 lb. (8 oz.)
Voltage/Current	3W (max) from 14 to 24VDC or 14 to 32VAC 4.3W (max at 120VAC), 50 to 60 Hz
Current Draw	24V 48mA normal / 74mA full alarm 120VAC: 21mA normal and 36mA alarm
Alarm Levels	1,000 & 2,000PPM, 10% & 20% LEL
Signal	RS485 serial output
Relays	2 SPDT relays @ 2.0A at 30VDC
Buzzer Rating	75 dBA at 10 Ft
Visual Indicator	RGB LED
Operating Temperature	14°F to 122°F (-10°C to 50°C)
Ambient Humidity	0-95% RH non-condensing
Warranty	Two year limited warranty
Life Expectancy	10 years with EOL notification
Certifications	REACH/RoHS
Panel Compatibility	DVP-1200 Series

Dimensions



*Please read manual for more specifications

HOW TO ORDER

Use **Bold** characters from chart to configure product code

Example Product Code: **RD-VRF** — **R-410A** — **PPM** — **M**

Series — **RD-VRF** - Refrigerant Monitor

Gas Type —

Unit of Measure
PPM = Parts Per Million
LEL = % LEL (Lower Explosive Limit)

Digital Output
M = Modbus (standard)

Product Page



Gas Type (Part #)	Sensor Range & Unit of Measure	Sensor Resolution
R-32	0-10,000 PPM	50 PPM
R-32	0-100% LEL	1% LEL
R-134a	0-5,000 PPM	25 PPM
R-404A	0-5,000 PPM	25 PPM
R-407C	0-5,000 PPM	25 PPM
R-410A	0-10,000 PPM	50 PPM
R-449A	0-5,000 PPM	25 PPM
R-452B	0-100% LEL	1% LEL

Gas Type (Part #)	Sensor Range & Unit of Measure	Sensor Resolution
R-454A	0-100% LEL	1% LEL
R-454B	0-100% LEL	1% LEL
R-454C	0-100% LEL	1% LEL
R-455A	0-100% LEL	1% LEL
R-1234yf	0-5,000 PPM	25 PPM
R-1234yf	0-100% LEL	1% LEL
R-1234ze	0-5,000 PPM	25 PPM
R-1234ze	0-100% LEL	1% LEL

For additional refrigerant gases, contact Macurco.



Since 1972 Macurco has been providing gas detection solutions for various applications. Macurco provides the highest quality gas detection solutions to customers worldwide.



Macurco Gas Detection
1504 W. 51st St,
Sioux Falls, SD 57105

Phone: 1-877-367-7891

Website: www.macurco.com

Email: info@macurco.com