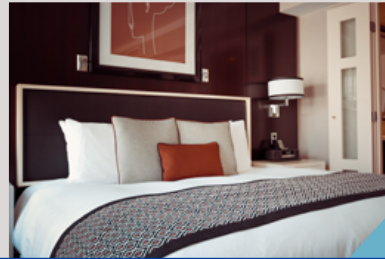


# Macurco™

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), BACnet (optional)
- 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



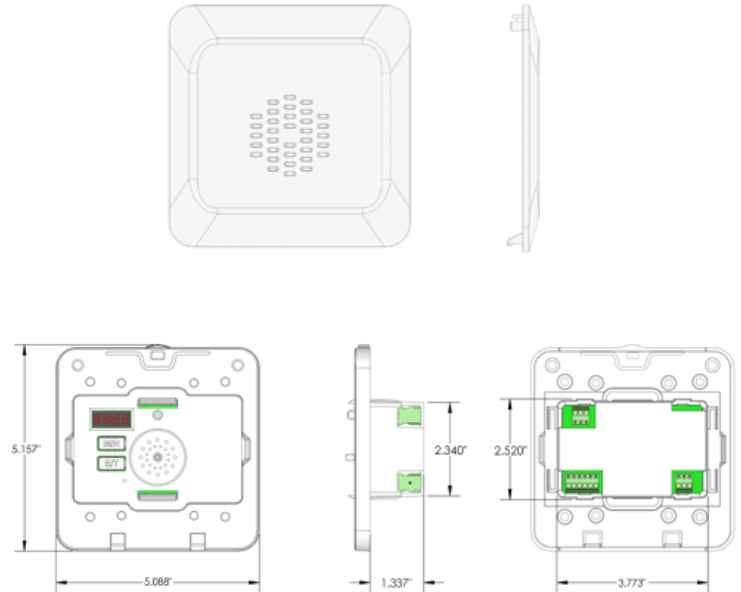
RD-VRF Series

# 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)
Current Draw	24V 48mA normal / 74mA full alarm 120VAC: 21mA normal and 36mA alarm
Alarm Levels	1,000 & 2,000PPM
Signal	RS485 serial output, BACnet MSTP
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-120M, DVP-120B, DVP-1200 Series

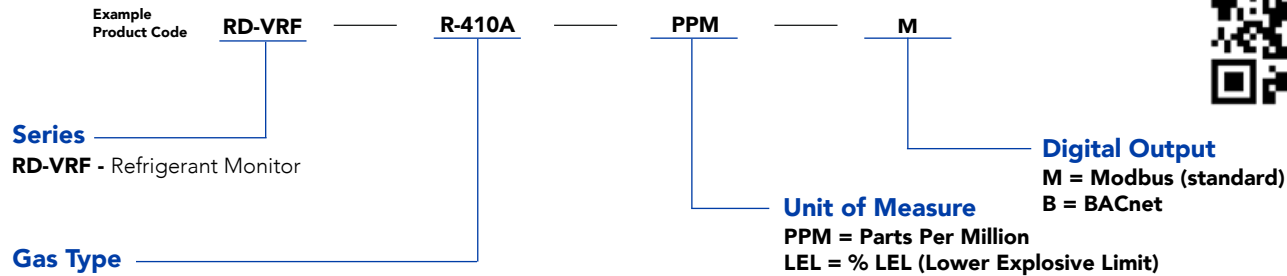
## Dimensions



\*Please read manual for more specifications

## HOW TO ORDER

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



## Product Page



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

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



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