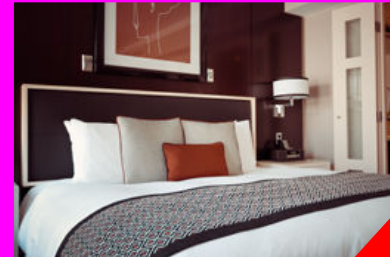


Macurco™

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



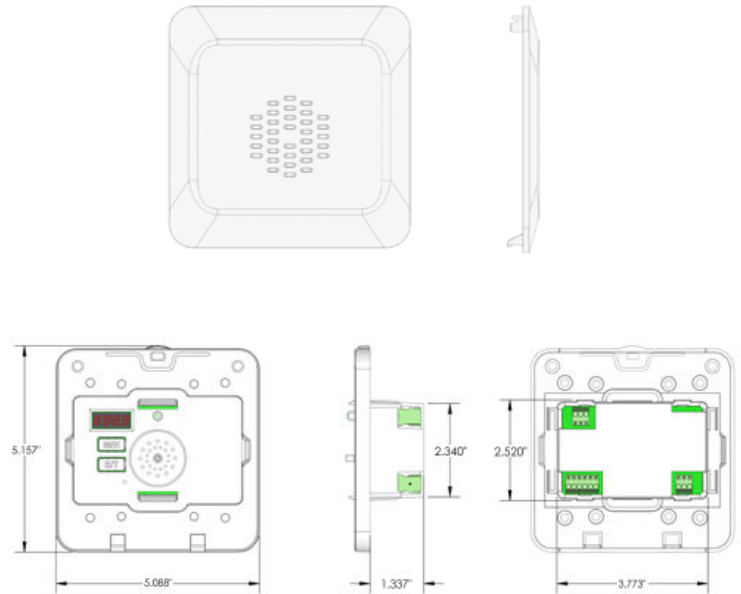
RD-VRF Series

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 *120V Coming Soon |
| Current Draw | 24V 48mA normal / 74mA full alarm *120V Coming Soon |
| Alarm Levels | 1,000 & 2,000PPM |
| Signal | RS485 serial output, BACnet MSTP |
| Relays | 2 SPDT relays @ 2.0A at 30VDC |
| Buzzer | 80 dB at 1', 57dB at 10' |
| 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 |

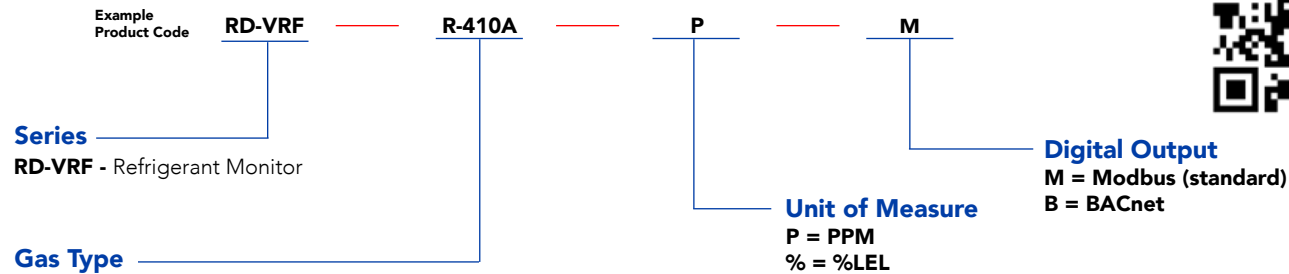
Dimensions



*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 |
|-------------------|--------------------------------|-------------------|
| 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 |

| Gas Type (Part #) | Sensor Range & Unit of Measure | Sensor Resolution |
|-------------------|--------------------------------|-------------------|
| R-410A | 0-10,000 PPM | 50 PPM |
| R-449A | 0-5,000 PPM | 25 PPM |
| R-1234yf | 0-5,000 PPM | 25 PPM |
| R-1234ze | 0-5,000 PPM | 25 PPM |
| R-1234ze | 0-100% LEL | 1% LEL |

For additional refrigerant gases, contact Macurco.