

VRF ORDERING GUIDE

Variable Refrigerant Flow Monitor

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).

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

VRF Number Ordering Code



Gas Ordering Code
(See Below for Code)

Span Ordering Code
(See Below for Code)



Factory Provided **X**

Determine Gas Type

Gas Type	Sensor Range	Ordering Code
R-32	0 - 10,000 PPM	0700-PPM
R-32	0 - 100% LEL	0720-LEL
R-134a	0 - 5,000 PPM	0701-PPM
R-404a	0 - 5,000 PPM	0702-PPM
R-407c	0 - 5,000 PPM	0703-PPM
R-410A	0 - 10,000 PPM	0704-PPM
R-449A	0 - 5,000 PPM	0721-PPM
R-452B	0 - 100% LEL	0722-LEL
R-454A	0 - 100% LEL	0723-LEL
R-454B	0 - 100% LEL	0724-LEL
R-454C	0 - 100% LEL	0725-LEL
R-455A	0 - 100% LEL	0726-LEL
R-1234yf	0 - 5,000 PPM	0706-PPM
R-1234yf	0 - 100% LEL	0727-LEL
R-1234ze	0 - 5,000 PPM	0707-PPM
R-1234ze	0 - 100% LEL	0727-LEL

Example:



VRF Application Page



VRF Data Sheet



VRF Specifications



VRF Application Page



VRF YouTube Video



Gas Detection. It's What We Do.

Headquartered in Sioux Falls, South Dakota, Macurco Gas Detection has been providing solutions for the gas detection industry since 1972. Celebrating over 50 years, Macurco Inc., a DwyerOmega brand, is a leading global provider of rapidly deployable, connected, intelligent gas detection systems that enable real-time safety and toxic threat detection. Macurco designs, develops, and manufactures a full set of fixed and portable gas detection monitors and notification devices for the protection of workers, responders, and the community.

Application Page



Macurco Website

