

Ribble Enviro
...everything gas detection

Data Sheet

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MVR-300 VRF Refrigerant Gas Detector

Gas Detection for Refrigerants in Occupied Spaces



Alarm options (LED, buzzer, two alarm levels, configurable delay and fail-safe) to alert occupants

Self-diagnostics and simple field calibration for easy maintenance

Low profile / flush mount for aesthetically non-intrusive appearance



Fits in standard electrical boxes for easy installation and mains power

Two relays and Modbus Communications for notifying building management & initiate counter measures

LEAK DETECTION FOR HOTELS & OTHER COMMERCIAL OCCUPIED SPACES USING VRF REFRIGERANT SYSTEMS

The MSA Bacharach MVR-300 VRF Refrigerant Gas Detector is specifically designed to provide continuous monitoring for refrigerants associated with high-efficiency, high volume refrigerant cooling and heating systems, such as VRF systems.

- Fits in standard 2-gang electrical boxes for easy installation (45 mm minimum)
- Low profile / flush mount for aesthetically non-intrusive appearance
- Two relays and Modbus Communications for notifying building management & initiate counter measures
- Alarm options (LED, buzzer, two levels, configurable delay and fail-safe) to alert occupants and remotely inform building management of alarm location for rapid response as required
- Refrigerant specific sensors for enhanced safety
- Self-diagnostics and simple field calibration for easy maintenance
- Unique plug-in field replaceable pre-calibrated sensor for low cost of ownership

Specifications

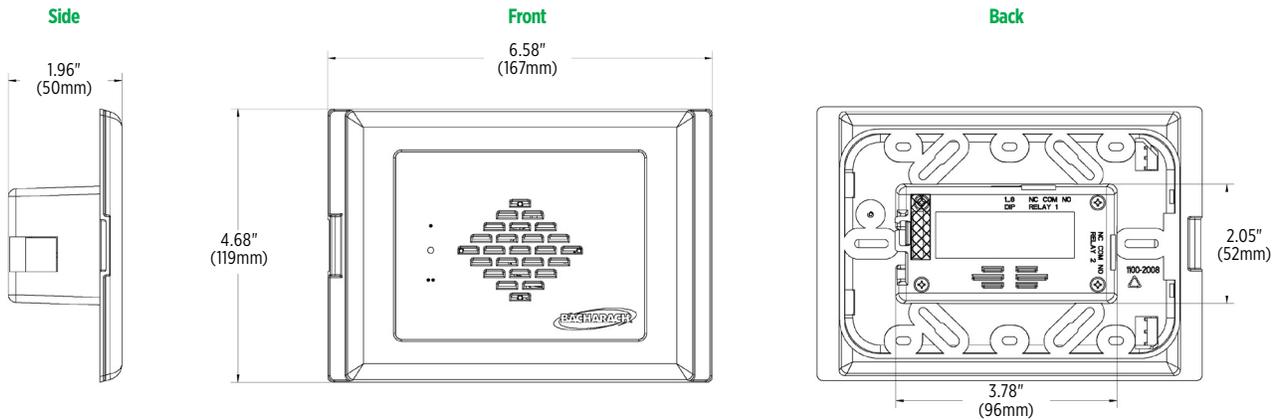
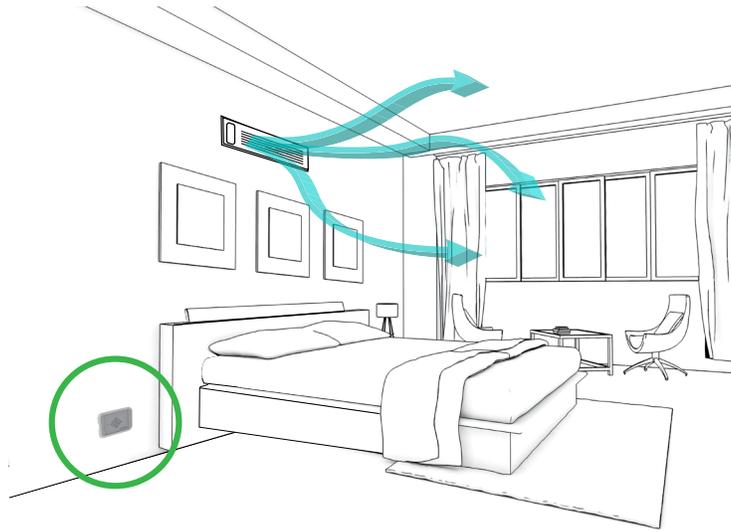
| | |
|---|---|
| Gases Supported | R-32, R-404A, R-407 R-410A (R-454B coming soon! Request info) |
| Sensor Channels | 1 |
| Enclosure Rating | General Purpose |
| Outputs | 2 x Relays, Modbus |
| Buzzer Volume | 80 dB @ 10 cm |
| Product Dimensions (L×W×H) | 6" × 4.1" × 1.75" (150 × 105 × 45mm) |
| Product Weight | 8 oz (230 g) |
| Sensor Type | SC |
| Supports/Enables Compliance with Industry Codes & Regulations | ASHRAE 15, CSA B52.2, EN 378, F-Gas Regulation |
| Product Performance Approvals | EMC Directives, CE Mark, UL / CSA / IEC 61010-1 |
| Warranty | 1 Year |
| Power | 100 to 240V AC |
| MDL | 400 ppm |



More Information:

Scan the QR code to learn more about the MVR-300 and other MSA Bacharach products.

SAFEGUARDING PEOPLE, PLACES & THE PLANET.



MVR-300 Part Numbers

| GAS | LOW ALARM* | HIGH ALARM* | RANGE | PART NUMBER | PRE-CALIBRATED REPLACEMENT SENSOR | SENSOR TYPE |
|--------|------------|-------------|------------|-------------|-----------------------------------|-------------|
| R-410A | 500 ppm | 2,000 ppm | 2,500 ppm | H6203-0001 | H6203-0101 | SC |
| | 1,000 ppm | 2,000 ppm | 5,000 ppm | H6203-0002 | H6203-0102 | |
| | 2,000 ppm | 4,000 ppm | 10,000 ppm | H6203-0003 | H6203-0103 | |
| R-32 | 500ppm | 2,000 ppm | 2,500 ppm | H6203-0041 | H6203-0141 | SC |
| | 1,000 ppm | 2,000 ppm | 5,000 ppm | H6203-0042 | H6203-0142 | |
| R-404A | 500 ppm | 2,000 ppm | 2,500 ppm | H6203-0021 | H6203-0121 | SC |
| | 1,000 ppm | 2,000 ppm | 5,000 ppm | H6203-0022 | H6203-0122 | |
| | 2,000 ppm | 4,000 ppm | 10,000 ppm | H6203-0023 | H6203-0123 | |
| R-407 | 500 ppm | 2,000 ppm | 2,500 ppm | H6203-0011 | H6203-0111 | SC |
| | 1,000 ppm | 2,000 ppm | 5,000 ppm | H6203-0012 | H6203-0112 | |
| | 2,000 ppm | 4,000 ppm | 10,000 ppm | H6203-0013 | H6203-0113 | |
| R-454B | 500 ppm | 2,000 ppm | 2,500 ppm | Coming soon | Coming soon | SC |
| | 1,000 ppm | 2,000 ppm | 5,000 ppm | | | |
| | 2,000 ppm | 4,000 ppm | 10,000 ppm | | | |

*Factory default; can be changed through Modbus.

Accessories

| DESCRIPTION | PART NUMBER |
|---|-------------|
| PRESSURE REGULATOR (0.5 L/MIN, 5/8"-18 UNF) | H0051-2358 |
| MAGNETIC WAND | H1100-1004 |
| CALIBRATION ADAPTER KIT (ADAPTER, TUBING MAGNETIC WAND, EXTRACTOR TOOL) | H1100-2018 |
| EXTRACTOR TOOL (FOR REMOVING SENSOR MODULE DURING REPLACEMENT PROCESS) | H1100-2022 |