

Features & Options

- Measures All Modern Refrigerants
- Measures Leaks and Spills
- Voltage Output
- Cost Effective

The BAPI Refrigerant Leak Detector measures the amount of R404A, R410A, R22 and/or R134A present. The Leak Detector measures leaks and spills; it is not intended for critical ppm measurements. Voltage trip levels for R22, R404A R410A or R134 leaks and spills are shown in the table. The sensor is temperature compensated for an accurate and reliable measurement.



**Refrigerant Leak Detector
in a BAPI-Box Enclosure**

Ordering Information

Part Number:

BA/RLD Refrigerant Leak Detector in a BAPI-Box Enclosure

Specifications

Power:

9 to 40 VDC at 120mA max
19 to 32 VAC at 5 VA

Output Impedance:

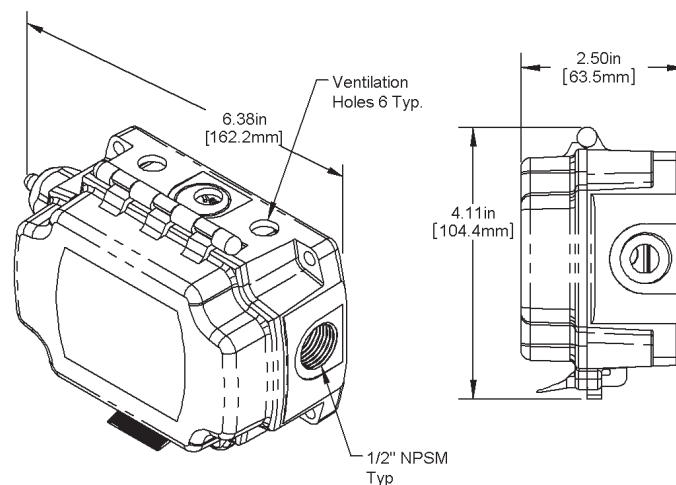
680 Ohms

Ambient Temperature:

0 to 70° C (32 to 140° F)

Output Voltage for Specific Refrigerants:

Refrigerant	Voltage Trip Level
R22	2.5 VDC @ 500 ppm
R404A	4.5 VDC @ 500 ppm
R410A	2.5 VDC @ 500 ppm
R134A	1.8 VDC @ 500 ppm



Ordering Information

<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>LIST PRICE</u>
BA/RLD.....	Refrigerant Leak Detector in a BAPI-Box Enclosure.....	\$465

VOC Sensor for Demand Controlled Ventilation

- VOC Alone or Temperature and Humidity Combination
- Indicates Space Occupancy by Detecting Human-Generated VOCs
- Output is Correlated to a CO₂ Value Allowing You to Ventilate Using ASHRAE's Occupancy-Based VRP Algorithm

Humans respire Volatile Organic Compounds (VOCs) as well as CO₂. The BAPI sensor is able to measure these VOCs, therefore it is as good an indicator of space occupancy as a CO₂ sensor.

The BAPI Sensor is different from other VOC sensors because it has been optimized for Demand Controlled Ventilation (DCV). Using a calibration algorithm, the sensor value is converted to an output with a high correlation to a CO₂ level. This lets you use ASHRAE's occupancy-based VRP schedule to ventilate. (More info on this correlated output is available on our website at www.bapihvac.com)

Besides from respiration, the sensor picks up VOCs from other sources such as building materials, perfumes, colognes and furniture off gassing. Using this sensor to ventilate is a way of achieving true indoor air quality and not just CO₂ dilution.

The unit is available as a VOC sensor alone or as a combination temperature and humidity sensor. The optional display alternates between the measured values and is field adjustable between °F or °C. An optional three color LED indicates "VOC Level" of Good, Fair or Poor.

Demand Controlled Ventilation with Confidence!



The VOC Sensor is part of BAPI's "True Blue IEQ Family". When used as a combination Temperature and Humidity Sensor, it addresses the Indoor Air Quality and Thermal Comfort portions of ASHRAE's Indoor Environment Quality (IEQ) section of Standard 189.1.



VOC Sensors with Temp. Setpoint and Override.

The top unit has the VOC Level of "Good, Fair or Poor" shown by an arrow on the display. The bottom unit has the VOC level shown by a 3-color LED.

For more information, see pages D2-5