

AG06

R410a Refrigerant Sensing Element

Product Overview

The AG06 R410a refrigerant sensing element is designed to work with the Veris GWN Series gas platform unit to provide accurate monitoring of R410a refrigerant levels. R410a is a common refrigerant used in commercial, residential and automotive HVAC applications. The AG06 is intended to be mounted in a fixed location and will measure the air in that fixed location. The sensor is calibrated at the factory, so no field calibration is needed. The AG06 is warranted to meet accuracy specifications for two years after the date of manufacture.

NOTICE

- This product is not intended for life or safety applications.
- Do not install this product in hazardous or classified locations.
- Read and understand the instructions before installing this product.
- Turn off all power supplying equipment before working on it.
- The installer is responsible for conformance to all applicable codes.

If this product is used in a manner not specified by the manufacturer, the protection provided by the product may be impaired. No responsibility is assumed by the manufacturer for any consequences arising out of the use of this material.

Specifications

Sensor Type	Non-dispersive infrared
Measurement Range	0 to 2000 ppm
Accuracy	±2% of range (60 to 2000 ppm)
Analog Output Scaling	0 to 2000 ppm
Resolution	1 ppm
Sensor Warranty	2 years from manufacture date
Low Level Setpoint	100 ppm (fixed)*
High Level Setpoint	500 ppm (fixed)*
Operating Temperature Range	-20 to 50 °C (-4 to 122 °F)
Operating Humidity Range	0 to 90% RH non-condensing

Note: The AGxx sensors work only with Veris GWN Series gas platform devices.

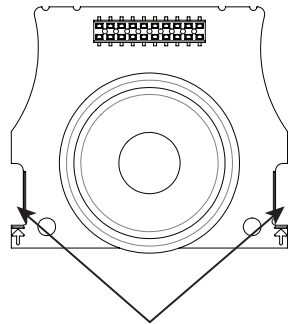
*Low and high level setpoints can be adjusted between 0 and 2000 ppm if AG06 is used with a GWNP (protocol output) gas platform.

Installation

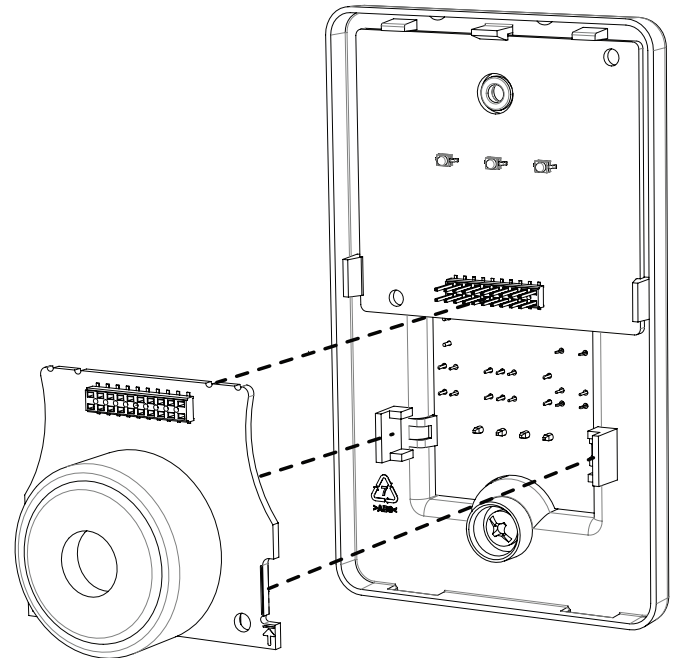


Observe precautions for handling static sensitive devices to avoid damage to the circuitry that is not covered under the factory warranty.

1. Disconnect and lock out all power sources before beginning the installation of the sensor.
2. Install the GWN Series gas platform according to the instructions included with that device.
3. Remove the front cover from the GWN Series gas platform device.
4. Use the grooves on the sides of the AG06 to correctly position the sensor with respect to the GWN unit.
5. Press the connector block on the sensor onto the connector pins on the GWN unit.



Use these grooves to position the sensor properly before pressing the sensor into the pin connector on the GWN board.



6. Replace the GWN front cover. Reconnect power.