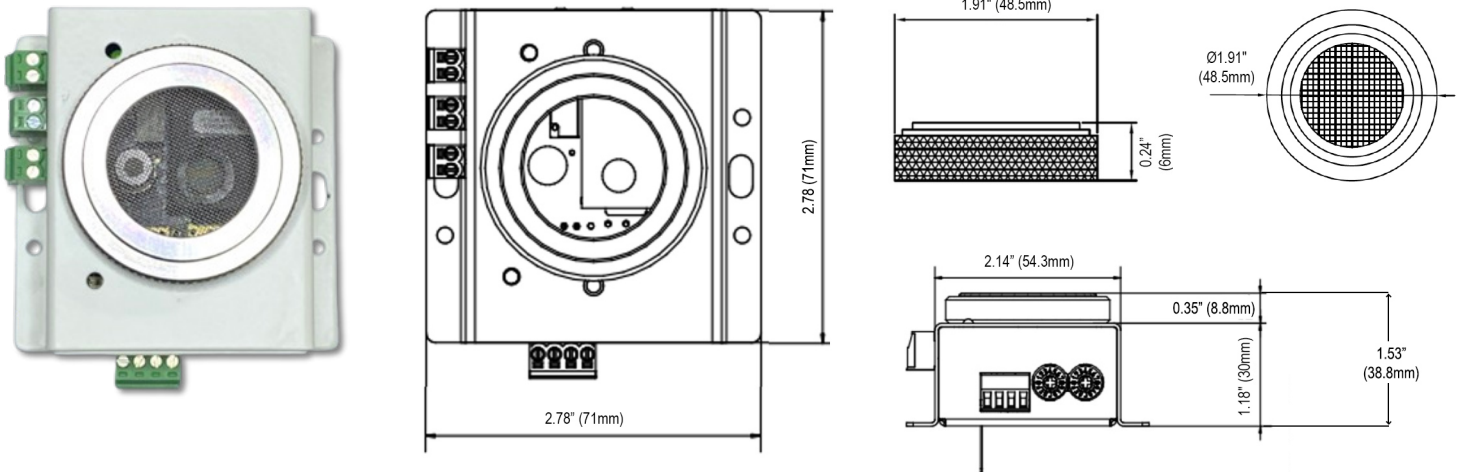


Flammable Gas Sensor (PW-R-GAS-FLAMMABLE)



General Description

Calibration free flammable RS485 version gas sensor that is specifically designed to detect the presence and measure the concentration of specific gases in non-hazardous critical facilities. User settable address (RS485) out of 256 possibilities

Certifications, Approvals & Listings

UL 2075 Listed

Sensor Metrics

Temperature measurement range	-40°F to 257°F (-40°C to 125°C)
Temperature accuracy	0.86 °F (±0.48°C)
Relative humidity measurement range	0 to 100% RH
Relative humidity accuracy	2% RH
VOC measurement output range	0-500 VOC Index
VOC repeatability	<±5 VOC index points or % mass volume (m.v.)
Butane (C4H10) accuracy	±5 %LEL
Ethane (C2H6) accuracy	±5 %LEL
Hydrogen (H2) accuracy	±5% LEL
Isobutane (CH3) accuracy	±5 %LEL
Methane (CH4) accuracy	±3 %LEL
Octane (C8H18) accuracy	±12 %LEL
Pentane (C5H12) accuracy	±5 %LEL
Propane (C3H8) accuracy	±6 %LEL
Propylene (C3H6) accuracy	±5 %LEL
Toluene (C7H8) accuracy	±12 %LEL
Xylene (C8H10) accuracy	±12 %LEL
Response time (T90)	<30s
Detection Range	0-100 %LEL
Detection method	Spectrometer

Technical Specifications

Relay outputs	3 (Normally Open)
Relay switching current	up to 0.5A
Input Voltage	12-24V DC
Power usage	672mW
Protocol	Modbus RTU over RS485
	Integration with Base Unit over RJ45 (serial data)
Life span	up to 15 years

Environmental Specifications:

Operating temperature range	-22°F to 167°F (-30°C to +75°C)
Humidity (operating and storage)	0 to 100% RH (non-condensating)

Physical Specifications:

Sensor enclosure	Steel enclosure, industrial grade
Mounting option	0U rack, DIN rail or wall mountable
Dimensions	2.78" x 2.78" x 1.53" (71 mm x 71 mm x 38.8 mm)
Weight	0.43lb (193g)