Honeywell

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Manning Airscan™ IRF9 SPECIFICATIONS

Refrigerant, Ammonia and Carbon Dioxide Detector

General Specification	
Use	Infrared (diffusion) type sensor that works in conjunction with any Honeywell Analytics Manning readout or alarm unit. This detection platform can monitor for ammonia, carbon dioxide, and a number of refrigerant gases. The IRF9 satisfies AB32 California code and is CARB compliant.
Common Operation	
Gases Monitored	R-404a, R-22, R-507a, R-514a, R-134a, R-407a, R-410a, R-422d, HFO-1234yf, HFO-1234ze, HFO-1233zd, NH_3, CO_2
Gas Sampling	Diffusion method with no moving parts, real time continuous monitoring of all points
Output	Linear 4/20 mA output into a load resistor of 500 ohm maximum
Accuracy	+/- 3% full scale
Repeatability	+/- 1% full scale
Operational	
Humidity	0-100% RH (condensing)
Operating Temperature	Standard: -30°C to +60°C / -20°F to +140°F ATMOS: -40°C to +60°C / -40°F to +140°F Superheat: -50°C to +60°C / -60F to +140°F
Storage Temperature	-28°C to +60°C / -20°F to +140°F
Common Module	
Cable Recommendation	Three conductor, stranded shielded cable with drain wire, all enclosed in a vinyl jacket. For cable runs up to 200 feet, use 18# AWG (Belden #8770 or equivalent).
Power Source	24 Volts DC regulated, 1.2 amp max.
Repeatability	+/- 1% full scale
Sensor Specifications	
Response Time	T90 = 10 seconds with full-scale calibration gas @ .75 litres/min. flow rate
Ranges	R Gases: 0-500 ppm, 0-1,000 ppm, 0-3,000 ppm CO_2: 0-1%, 0-3%; NH_3: 0-2%, 0-4%
Sensor Viability Test	SensorCheck, an internal microprocessor determines the sensor's electrical viability every 24 hours. If the viability test fails, a 0.5 mA signal will indicate a fault. An internal light will show if a sensor is dried up or disconnected.
Enclosure	16 gauge painted steel or stainless steel. NEMA 4, UL 508 listed, CSA certified for use with industrial control equipment.
Weight	4.4 lbs.

Find out more

www.honeywellanalytics.com

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