

PRODUCT HIGHLIGHT

SENSATA RESONIX™ REFRIGERANT LEAK SENSOR

RGD SERIES

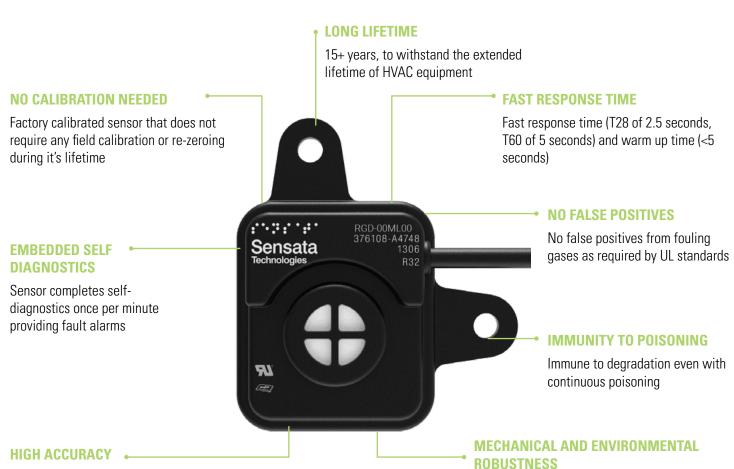
The Sensata Resonix refrigerant leak detection sensor is a compact embedded module designed to meet demanding OEM requirements and be easily integrated into HVAC & Refrigeration Equipment. Featuring the innovative Speed of Sound technology with high accuracy and fast response times.

Superior resistance to overexposure and poisoning, high temperature and humidity resistance, and a lifetime greater than 15 years with no need to calibrate make the Sensata Resonix the ideal, easy to maintain, solution for HVAC&R systems.

SPECIFICATIONS

- Complies to UL60335-2-40 ed. 4
- Works with R32, R454 series, and R455 series refrigerants
- LFL range : 0 100%
- Working temperature -40°C to +105°C

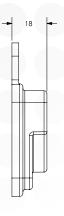
- Working humidity 0 to 100% RH with condensation
- Working pressure 70 to 120kPa
- Protection (EN 60529): IP54
- Low power: <40 mA (for 5 VDC input)

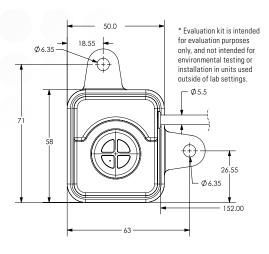


Temperature and humidity compensation sensors present for high accuracy over environmental conditions

Robust package that performs throughout the environmental conditions and requirements for industrial HVAC equipment

AGENCY APPROVALS & CERTIFICATIONS







ORDERING OPTIONS

	RGD	- 00	M	L	00
Series —					
RGD - Resonix Gas De	tection Sensor				
Refrigerant					
00 = R32					
01 = R1234yf					
02 = R454B					
03 = R454C					
04 = R454A					
10 = R455A					
Output Type ———					
M = RS485 MODBUS I	RTU				
Input Voltage ——					
L= 5VDC					
H= 24V					
Customer Specific					

00 = 6 foot unshielded cable, unterminated

99 = Evaluation Kit (RS485 output, 6 foot cable, USB termination, Reader Application)

APPLICATIONS

- Residential, commercial and industrial air conditioning and heat pump systems
- Commercial refrigeration



The HVAC industry is converting to refrigerants that are environmentally friendly, energy efficient, and have lower GWP solution such as the R32, R1234yf and blends of those gases. Those refrigerants are classified A2L (ASHRAE classification) which means they are considered flammable at a certain concentration in air. For this reason, manufacturers of residential and commercial air conditioning and heat pump systems must implement a detection and mitigation in their equipment in order to comply to standards ASHRAE-15, UL60335-2-40 and UL60335-2-89.





CONTACT US

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^{*}Consult factory for other output type availability