



**Award-winning IR sensing technology provides stable and accurate monitoring of refrigerant leaks in Commercial Refrigeration applications.**

# S301RLC Refrigerant Gas Detector



**Honeywell Analytics' award-winning IR sensing technology provides stable and accurate monitoring of refrigerant leaks in Commercial Refrigeration applications such as supermarkets, cold storage warehouses and freezers.**

The S301RLC allows for real time remote sensing without the need for service prone pumps and other mechanical moving parts. The sensing module functions on a diffusion basis and communicates concentration rates via a 4-20mA loop, eliminating issues related to sample draw systems such as dwell time and installation/cleaning of gas collection tubing.

### User Friendly


- Easy calibration
- Visual indicator

### Security and Reliability

- When connected to a centralized monitoring system, several alarm levels can be managed.
- Honeywell Analytics' award-winning IR technology

### Excellent Functionality

- 4-20mA output
- (RS-485) Modbus communication
- Relay output (SPDT)

General Specifications				
<b>Use</b>	Detect and monitor for potential refrigerant gas leaks and transmit readings for appropriate response (activation of audible and visual alarms, deactivate chillers).			
<b>Power Requirement</b>	17-27Vac, 24-38Vdc, 300mA@24Vdc			
<b>Measurement Range</b>	0-1000 ppm			
<b>Resolution</b>	1 ppm			
<b>Response Time</b>	60 sec.			
<b>Cold to Start</b>	15 minutes			
<b>Outputs</b>	4-20 mA (2mA = fault) RS-485 Modbus, SPDT Relay			
<b>Relay Output Rating</b>	5A, 30 Vdc or 250 Vac (resistive load)			
<b>Operating Temperature</b>	0 °C to 40°C (32 °F to 100 °F)			
<b>Operating Humidity Range</b>	0 - 95% RH, non-condensing			
<b>Sensor</b>	Size	10.2 x 28 x 6.3 cm (4 x 11 x 2.25 in.)		
	Weight	0.9 kg (2 lb.)		
	Enclosure	Polycarbonate - ABS		
<b>Gases Detected</b>	Gases Detected	Detection Range	Operating Temperature	Operating Humidity Range
	R11	0-1000 ppm	0 to 40 °C (32 to 104°F)	0-95% non-condensing
	R12	0-1000 ppm	0 to 40 °C (32 to 104°F)	0-95% non-condensing
	R22	0-1000 ppm	0 to 40 °C (32 to 104°F)	0-95% non-condensing
	R125	0-1000 ppm	0 to 40 °C (32 to 104°F)	0-95% non-condensing
	R134a	0-1000 ppm	0 to 40 °C (32 to 104°F)	0-95% non-condensing
	R404A	0-1000 ppm	0 to 40 °C (32 to 104°F)	0-95% non-condensing
	R507A	0-1000 ppm	0 to 40 °C (32 to 104°F)	0-95% non-condensing
Ratings and Certifications				
<b>Certified to</b>	CAN/CSA C22.2 No. 61010-1  116662			
<b>Conforms to</b>	ANSI/UL 61010-1			

### Find out more

[www.honeywellanalytics.com](http://www.honeywellanalytics.com)

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