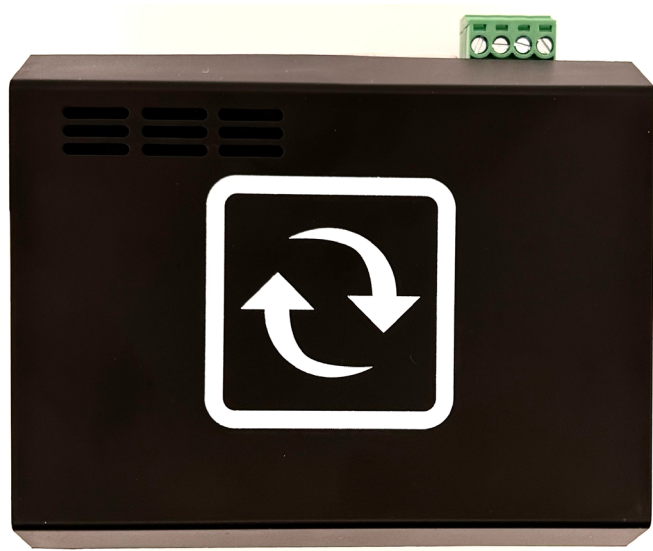




Panel Sensor (R-EGD-PANEL)



Our Panel Sensor has been designed for early detection of anomalies inside automation and electrical panels. By monitoring factors like VOCs, NOx, CO, smoke, temperature, and humidity—which are signs of overheating, insulation breakdown, or component failure—it can potentially alert you before minor issues escalate into catastrophic failures.

The R-EGD-PANEL sensor is NOT a life safety or fire safety device and should NOT be used as such. It is specifically designed to detect anomalies in electrical and automation panels only.

Certification:

ETL Listing to UL61010 pending

Sensor Metrics:

CO measurement range	0-5000 ppm
CO max detecting concentration	5000 ppm
VOC measurement range	0–500 VOC index points
VOC repeatability	<±5 VOC index points
NOx measurement output	0-500 NOx index points
NOx repeatability	<±5 NOx index points
Smoke detection	Photometric

Technical Specifications:

Input Voltage	12-24V DC (when using RS-485) or powered by BASE-XX
Power usage	360mW
Protocol	Modbus RTU over RS485
	Integration with BASE-XX over RJ45 (serial data)
Default Modbus communication settings	1200 bps, No Parity, 1 Stop Bit
Cable specification	RJ45 CAT 6/7 recommended Up to 100m (330ft) subject to cable quality & interference

Environmental Specifications:

Operating temperature range	-10°C to +50°C (-23°F to +10°F)
Humidity (operating and storage)	< 90% RH (non-condensating)

Physical Specifications:

Sensor enclosure	Plastic industrial grade enclosure
Mounting option	DIN rail
Dimensions	75 mm (2.95") x 46 mm (1.81") x 90.1mm (3.55")