

PPS-RCO & PPS-RNO2 Detectors



Description

- Prosense PPS-RCO and PPS-RNO2 gas detectors for continuously monitor carbon monoxide and nitrogen dioxide gases in closed area car parks.
- Prosense PPS-RCO and PPS-RNO2 detectors work independetly and provide relay outputs in case of alarm and fault.
- PPS-RCO and PPS-RNO2 gas detectors can communicate to S-DP32 Gas Control Panel via RS485 Modbus interface with optional communication module.

Detector Specification	PPS-RCO	PPS-RNO2
Target Gas	Carbon Monoxide	Nitrogen Dioxide
Sensing Element	Electrochemical	Electrochemical
Measurement Type	PPM	PPM
Relay Outputs	2 Alarm,1 Fault NO / De-energized	2 Alarm,1 Fault NO / De-energized
Sensor Warm-up Time	60 sec	60 sec
Response Time (T90)	<30 sec	<30 sec
Measuring Range	0-300 ppm	0-30 ppm
Accuracy	%±2	%±2
Operating Temperature	-20°C ~ +50°C	-20°C ~ +50°C
Humidity	5 ~ 95 %RH	5 ~ 95 %RH
Input	12-28 VDC	12-28 VDC
Power Consumption	Max. 3W	Max. 3W
Cable Entry	PG 11	PG 11
IP Rating	IP54	IP54
Junction Box	ABS Plastic	ABS Plastic
Sensor Head	SH40 ABS Cabinet	SH40 ABS Cabinet
Dimensions/Weight	150x94,5x58mm (250gr)	150x94,5x58mm (250gr)
Standards	EN 50270 EN 61000-6-3 EN 60000-3-3 EN 60000-3-2	EN 50270 EN 61000-6-3 EN 60000-3-3 EN 60000-3-2

• Optional Module

BTN-RS: RS 485(Modbus RTU) interface module

- Prosense gas detectors are fully tested and calibrated before delivery. Gas detectors must be routinely checked and calibrated to ensure fully operational at all times regarding EN 60079:29-2.

