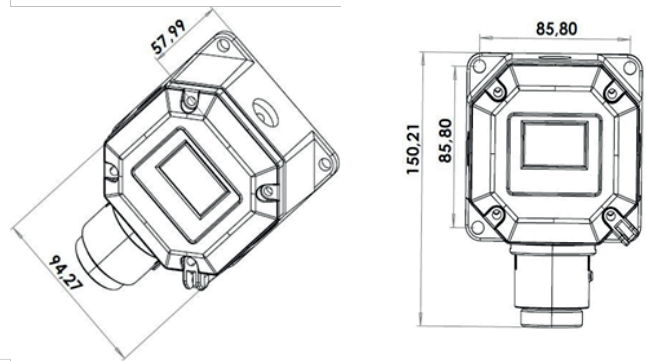


## PPS-CO CO GAS DETECTOR



ATEX

EN50270

### FEATURES

#### ▶ Specially Designed for Carparks

Prosense PPS addressable gas detectors are designed and developed for continuously monitoring carbon monoxide for vehicles with gasoline, nitrogen dioxide for vehicles with diesel and LPG gases for vehicle with LPG in closed car parks and tunnels.

#### ▶ Easy Communication

PPS Series gas detectors are managed by PPS Manager Control Panel via Modbus RS485 RTU serial connection.

#### ▶ Inceasable Number of Zones

PPS Manager Control Panel has up to four zones and each zone capable to manage up to 32 detectors.

#### ▶ Different Gases in Same Zone

The detectors for different gases can be integrated into same zone and can be monitored separately. Totally, 128 detectors can be managed by PPS Manager.

#### ▶ Suitable Solution for Ventilation System

PPS Manager has three relay outputs for each zone in order to manage fan ventilation levels. Also, 1 Alarm and 1 Fault relay contacts are integrated into the panel to monitor overall status.

#### ▶ Visual Indicators

Four individual LEDs in each zone inform the operator about current status as an addition to the panel display.

#### ▶ Power-Cut Protection

PPS Control Manager offers optional battery connections in case of power cut.

#### ▶ Management System Integration Output

PPS Manager provides Modbus RS 485 RTU output that can be integrated with SCADA, DCS or BMS systems.

#### ▶ Automatic Recognition of Detectors

PPS monitoring system automatically detects the type of detectors and adjusts the related measurement ranges and alarm levels.

#### ▶ Monitoring Options

You can select an average or an maximum value for every single zone and monitor that value.

#### ▶ Single Detector Monitoring

Monitoring every single detector in every single zone is possible with PPS Manager.

### TECHNICAL SPECIFICATIONS

Target Gas	Carbon Monoxide
Sensing Type	Electrochemical
Output Signals	Modbus RS485 RTU
Sensor Warm-Up	60sec
Response Time	<30sec
Measuring Range	0-300ppm
Accuracy	%±2
Operating Temperature	-20°C ~ +50°C
Humidity	5~95%RH
Input Voltage	Min 10VDC - Max 18VDC Nominal 12VDC
Power Consumption	Max.2W
Cable Entry	PG11
Junction Box	ABS Plastic / IP54
Dimensions/Weight	150x94,5x58mm - 250gr
Standards	EN 50270