

PPS Series

PPS Series Datasheet

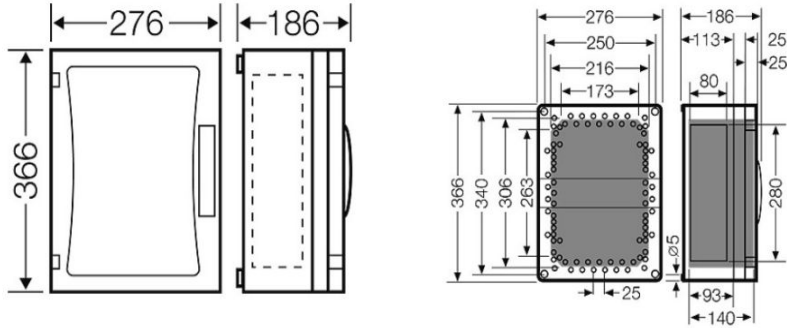


Description

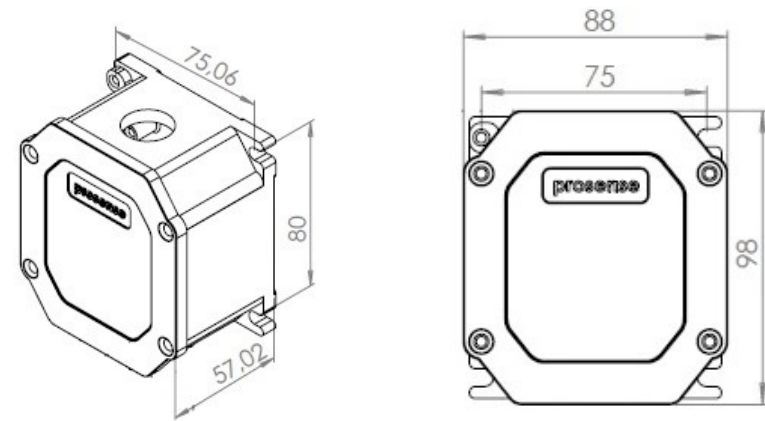
- Prosense PPS-CO-AL and PPS-NO2-AL addressable gas detectors for continuously monitor carbon monoxide and nitrogen dioxide gases in closed areas and industrial car parks.
- PPS series gas detectors communicate to PPS Manager Control Panel via RS485 serial connection.

PPS Manager Descriptions

- Up to 4 open loops.
- Up to 32 detectors for each loop (total 128 detectors)
- Monitoring average or high alarm levels.
- Monitoring each detector separately
- 2x8 LCD screen for each zone.
- 5 individual LED status for each zone.
- 2 Alarm relays for each zone.
- 1 Alarm and 1 Fault relay output to monitor overall system status.
- Up to 800m cable length.
- 2x12V-4.3A battery connections.



Panel Specification	PPS Manager
Power Source	220VAC +/- 10%
Power Consumption	27VDC/200mA-5.4Wmax. without connected detectors
Inputs (Internal)	4x32 detectors via RS485 serial input
Relay Outputs	Fan1, Fan2 for each zone Fault and Alarm for overall status
Contacts Rating	3A, 24VDC or 3A 120VAC
Display	Graphic LCD (2x8)
LED indicators	Fan1, Fan2, Alarm Power/ON, Fault, Alarm LEDs
Backup Battery	2x12V 7A/h (Optional)
Operating Temp.	-20 to +50°C
Humidity	15-85%non condensing
Housing	ABS IP65
Dimession/Weight	366x276x186mm 5.5 kg
Main Power Fuse	2A
Backup Battery Fuse	2A



Detector Specification	PPS-CO-AL	PPS-NO2-AL
Target Gas	Carbon Monoxide	Nitrogen Dioxide
Sensing Element	Electrochemical	Electrochemical
Measurement Type	PPM	PPM
Output Signal	RS485 Modbus RTU	RS485 Modbus RTU
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	12-24 VDC	12-24 VDC
Power Consumption	Max. 2W	Max. 2W
Cable Entry	1/2"NPT Cable Gland	1/2"NPT Cable Gland
IP Rating	IP65	IP65
Junction Box	Die-cast Aluminium	Die-cast Aluminium
Dimensions/Weight	98x88x57,02mm (650gr)	98x88x57,02mm (650gr)
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

- Prosense gas detectors are fully tested and calibrated before delivery.