

Toxic Detector Specifications

Carbon Dioxide (CO2)






Description

The ZSFP-CO2 is a flameproof gas detector with an ATEX approved sensor housing for a fixed detector application.

It comprises of a unique enclosure design with an aluminium housing with 4 gland entries. The enclosure contains the processing electronics and display LCD behind a glass window. The sensor is enclosed in an ATEX approved stainless steel housing.

Each Gas Sense unit contains 3 indications and 3 relay outputs:

-  Pre-alarm LED with voltage free changeover relay output
-  Alarm 1 indication with voltage free changeover relay output
-  Alarm 2 indication with voltage free changeover relay output

The unit can be used as a standalone detector or wired to the Gas Sense panel with a unique protocol communication.

Technical Specification

Gas Type	Carbon Dioxide (CO2)		
Model Number	ZSFP-CO2/5000	ZSFP-CO2/5%	ZSFP-CO2/10%
Part Number	47-815	47-816	47-817
Target Gas Range	0-5000ppm	0-5%	0-10%
Replacement Sensor Part Number	NET32-AIN-INP32-CO2P	NET32-AIN-INP32-CO25	NET32-AIN-INP20-CO2D
Specific Gravity (Air=1)	1.52		
Sensor Lifetime	5 Years		
Pre-Alarm Settings (ppm) Bold=Default	500ppm, 750ppm, 1000ppm , 1250ppm, 1500ppm	0.50%, 0.75%, 1.00% , 1.25%, 1.50%	1.00%, 1.50%, 2.00% , 2.50%, 3.00%
Alarm 1 Settings (ppm) Bold=Default	1000ppm, 1250ppm, 1500ppm , 1750ppm, 2000ppm	1.00%, 1.25%, 1.50% , 1.75%, 2.00%	2.00%, 2.50%, 3.00% , 3.50%, 4.00%
Alarm 2 Settings (ppm) Bold=Default	1500ppm, 1750ppm, 2000ppm , 2250ppm, 2500ppm	1.50%, 1.75%, 2.00% , 2.25%, 2.50%	3.00%, 3.50%, 4.00% , 4.50%, 5.00%
Response Time	<25 Seconds		
Operating Voltage	21 – 30VDC		
Quiescent Current	48mA (250mA Surge)		
Warm-Up Time	2 Minutes		
Operating Temperature	-20°C - +50°C		
Maximum Humidity	15 % – 90% RH		
IP Rating	IP65		
Storage Time Without Compromising Lifetime	6 Months from date of manufacture		
Storage Temperature	0°C – 20°C		
Gas Sensor Type	Infra Red		
Dimensions (mm)	205(H) x 192(W) x 85(D)		
Weight	2.2kg		