

Toxic Detector Specifications

Nitrogen Dioxide (NO2)






Description

The ZSFP-NO2 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 | Nitrogen Dioxide (NO2) |
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| Model Number | ZS-NO2/30 |
| Part Number | 47-841 |
| Target Gas Range | 0-30ppm |
| Replacement Sensor Part Number | NET32-ATX-NT-NO2-PL30 |
| Specific Gravity (Air=1) | 1.1 |
| Sensor Lifetime | 3 Years |
| Pre-Alarm Settings (ppm) Bold=Default | 3.0ppm, 4.5ppm, 6.0ppm , 7.5ppm, 9.0ppm |
| Alarm 1 Settings (ppm) Bold=Default | 6.0ppm, 7.5ppm, 9.0ppm , 10.5ppm, 12.0ppm |
| Alarm 2 Settings (ppm) Bold=Default | 9.0ppm, 10.5ppm, 12.0ppm , 13.5ppm, 15.0ppm |
| 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 |
| Recommended Storage Temperature | 0°C – 20°C |
| Gas Sensor Type | Electro Chemical |
| Dimensions (mm) | 205(H) x 192(W) x 85(D) |
| Weight | 2.2kg |