

ZA830 CO

Addressable CO/Optical/Heat
Multi-Sensor



Overview

The ZA830 CO addressable CO Multi-Sensor detector features low power consumption and an advanced digital protocol to provide a fast and reliable response to fire conditions. CO detectors are particularly useful in detecting the highly dangerous odourless and colourless Carbon Monoxide gas generated during combustion.

The ZA830 CO uses a high quality CO sensor with a 10 year guaranteed life. The smoke and heat elements can be disabled, if required, via dipswitch.

For Parking Garage applications, a combination of CO and Heat detection is recommended. Each detector has one pre-alarm CO level, two fire condition CO sensitivity levels and three separate smoke and heat sensitivity levels. The Pre-Alarm CO function can be used to trigger extract fans for environmental control.

The ZA series of Analogue Addressable Detectors have been designed to be fully compatible with the ZYTEQ Fire G-ONE and OCTO+ range of intelligent control panels.

The ZA830 CO sensor is compliant with EN54-5 and EN54-7 requirements.

Features

- Dual LEDs for 360° visibility
- Flash Green for Healthy
- Easy installation and maintenance
- Aesthetically pleasing design
- Durable CO sensor, no need for replacement
- Pre-calibrated CO sensor
- SMD circuit board design, High reliability
- CO Pre-Alarm function
- Can be used to activate extract fans
- Dipswitch addressing

Technical Specifications

Feature Description	Specification
Power Supply	
Supply Voltage	Loop Powered 20-30 V DC
Current - Quiescent / Surge	530 uA Max.
Current - Device In Alarm	2 mA - Alarm LED illuminated
Operational	
Reset/Start-Up Times	20 seconds max.

Feature Description	Specification
Physical	
Dimensions	107 (D) x 54 (H) mm (including base)
Weight	115 g (without base) & 155 g (inc. base)
Colour / Case Material	White or Black / ABS
Cable Size	1.0 - 2.5 mm ²
Environmental	
Normal / Transient Operation Temperature	0°C to 75°C (Dependant on the Control Panel setting) / -10°C to 85°C
Max. Humidity	95% RH Non-Condensing

Ordering Information

Order Code	Part No.	Description
ZA830 CO	ZA830 CO	Addressable CO/Optical/Heat Multi-Sensor

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