

ZA831 BLK

Addressable Multi-Sensor Sounder Beacon



Overview

The ZA831 Black addressable Multi-Sensor Sounder Beacon features low power consumption and advanced digital protocol to provide a fast and reliable response to fire conditions. Combining the Smoke/Heat detection and Sounder/Beacon elements in a single device reduces cost and complexity.

Detectors can be addressed via a dipswitch at the rear of the detector. The smoke or heat portion of the multi-sensor can be disabled at the panel or via the dipswitch.

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 ZA831 has been tested and certified compliant with the EN54-3, EN54-5, EN54-7, and EN54-23 standards.

Features

- Dual status LEDs for 360° visibility
- Flash Green for Healthy, Red for Alarm
- Easy installation and maintenance
- Aesthetically pleasing design
- Dual tone sounder
- One address per device
- Super bright Part23 Compliant beacon
- Durable sensor element
- Fixed and Rate of Rise heat detection
- SMD circuit board design, High reliability
- Dual Heat Sensors
- Sounder/Beacon can be independently mapped
- Locking feature
- Dip Switch addressing

Technical Specifications

Feature Description	Specification
Power Supply	
Supply Voltage	Loop Powered 20 V DC - 30 V DC
Current - Quiescent / Surge	280 uA average (500 uA max.)
Current - Device In Alarm	2 mA - Alarm LED illuminated
Current - Detector & Sounder Beacon In Alarm	7 mA - Alarm LED illuminated
Operational	
Sensitivity	According to EN54-5 and EN54-7
Sounder Output	86 dB @ 1 m
Smoke Sensitivity Settings	Low / Normal (default) / High
Heat Alarm Setpoints	55°C / 65°C (default) / 75°C / 85°C
Multisensor Modes	Heat / Smoke / Combined (default)
Reset/Start-Up Times	20 seconds max.

Feature Description	Specification
Physical	
Dimensions	107 (D) x 54 (H) mm (including base)
Weight	120 g (without base) & 160 g (inc. base)
Colour / Case Material	Black / ABS
Cable Size	1.0 - 2.5 mm ²
Environmental	
Normal / Transient Operation Temperature	0°C to 70°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
ZA831 BLK	ZA831 BLK	Black Addressable Multi-Sensor Sounder Beacon

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