



ZA831 Addressable Multi-Sensor Sounder Beacon



The ZA831 addressable Multi-Sensor Sounder Beacon features optic and heat sensors combined with an integrated sounder and beacon in a single unit utilising only one address on the loop. Low power consumption and an advanced digital protocol provide a fast and reliable response to fire conditions. Combining the detection and Sounder/Beacon elements in a single device reduces cost and complexity whilst the sounder/beacon portion can be mapped separately if required. Detectors are addressed via a dipswitch at the rear of the device. 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 GEKKO and OCTO+ range of intelligent control panels.

The ZA831 has been tested and certified in Europe to the EN54-5, EN54-7, EN54-4 and EN54-23 standards.

Key Features

- Dual LEDs for 360° visibility
- Flash Green for Healthy and Red for Alarm
- Easy installation and maintenance
- Aesthetically pleasing design
- Dual tone sounder and super bright beacon
- One address per device
- Durable sensor element
- Fixed and Rate Of Rise heat detection
- SMD circuit board design, High reliability
- 3 Heat and 3 Smoke sensitivity settings
- Dual Heat Sensors
- Sounder/Beacon can be independently mapped
- Day/Night option
- Dip Switch addressing

TECHNICAL SPECIFICATIONS	
SUPPLY VOLTAGE	Loop Powered 20-30 V DC
CURRENT - QUIESCENT / SURGE	280 uA average (500 uA max.)
CURRENT - DETECTOR IN ALARM	2 mA - Alarm LED illuminated
CURRENT - DETECTOR & SOUNDER BEACON IN ALARM	7 mA - Alarm LED illuminated
SENSITIVITY	According to EN54-5 and EN54-7
CABLE SIZE	1.0-2.5 mm ²
SOUNDER OUTPUT	86 dB @ 1 m
RESET/START-UP TIMES	20 seconds max.
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)
COLOUR / CASE MATERIAL	White / ABS
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
DIMENSIONS	107 (D) x 54 (H) mm inc. base
WEIGHT	120 g (without base) & 160 g (inc. base)



World Class Smoke & Heat Detectors

Designed and Manufactured in South Africa