

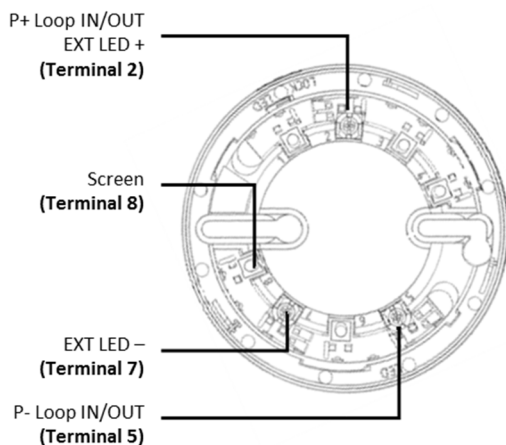
ZA830 Addressable Multisensor

Description	Addressable Multisensor
Specification	EN 54-5 Class A1R, EN54-7
Compatibility	ZEOS protocol addressable systems
Mounting	Plugs into ZASBASE surface base
Area coverage	80m ² , subject to local codes
Wiring	2 core loop
Indication	Dual LED's on either side of the detector. Alarm (continuous red), Service and Fault (flashing red), Healthy (flashing green)

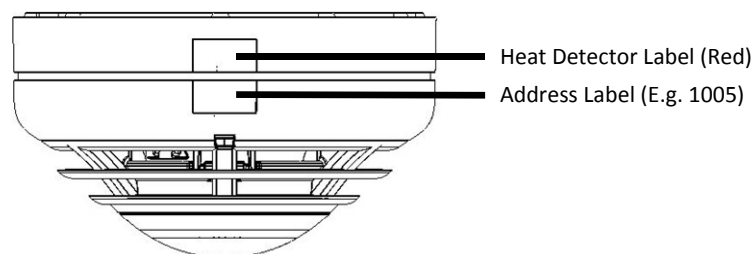
Parameters	
Supply Voltage	Loop powered: 20V to 30V DC
Current - Quiescent	500uA
Current – Device in alarm	6mA
Smoke sensor operation	Light Scatter
Heat Class	A1R
Operating temperature	-10 to 75 degrees Celsius
Max Humidity	95% RH non condensing
Weight	115g without base; 155g with base
Dimensions	107mm Diameter; 54mm Height
Color	White
Material	ABS

Base Connections	
Pin	Connection
2	P+ Loop IN/OUT & EXT LED (+)
5	P- Loop IN/OUT
7	EXT LED (-)
8	Loop cable screen terminal

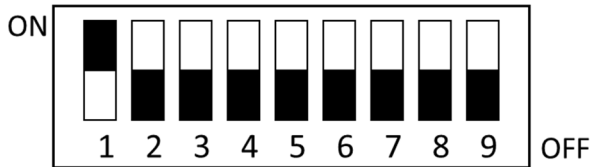
1. Wiring Diagram



2. Mounting- and Label Diagram



3. D.I.L Switch Configuration



Switches 1-7 used to configure the device address.
Switches 8 & 9 used to set device type.

Address Switches Binary Weights

1 ON = 1	4 ON = 8	7 ON = 64
2 ON = 2	5 ON = 16	
3 ON = 4	6 ON = 32	

Set Device Type

Switches 8 & 9 OFF = Multisensor
Switches 8 ON & 9 OFF = Heat Only
Switches 8 OFF & 9 ON = Smoke Only
Switches 8 & 9 ON = Heat Only Fixed Temperature 58 °C

4. Address- and Heat Detector labels

A set of Address- and Heat Detector labels are supplied with each addressable panel.

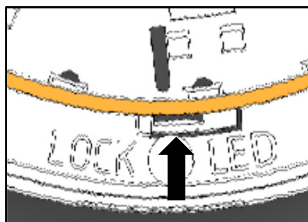
Fit the Address label on the recessed area of the detector. See the Mounting- and Label Diagram for details.
The Address label displays the loop number and device address on the loop. The first digit on the label display the loop number followed by the 3 digit device address. E.g. 1005 is Loop 1 Device number 005.

Fit the red Heat Detector label on the recessed area of the detector base. This label visually identity detectors that are set to a Heat Detector Only.

5. Base Lock

To lock detector into base, remove the lock clip on the base using a small screwdriver. To unlock the device from its base, push in the release pin on the detector and turn the detector anticlockwise. The release pin is located next to the detector LED. See diagrams below for details.

Lock Clip



Release Pin

