

MAS850 - Intelligent addressable sounder base



The intelligent addressable sounder base (MAS850) can be used both with a sensor or as a stand alone device.

The MAS850 is compatible with Eaton's range of intelligent addressable sensors and fire systems.

This device incorporates a sensor mounting base, a sensor can be fitted to the sounder base or alternatively an optional cover plate (CASC) can be used to enable the sounder to operate as a dedicated discreet stand alone sounder.

Features and benefits

- Integral short circuit isolator
- Integral sensor mounting base
- Can be used with a sensor as a sounder base or stand alone as a sounder
- Cover plate (optional)
- Quick and simple to install
- First fix base
- Selectable tones controlled by the panel
- Adjustable volume controlled by the panel
- Single point connection for sensor and sounder (saving on both time and installation costs)
- Can be used with a sensor or stand alone
- Easy to maintain/service

Technical specification

Code	MAS850
Description	Sounder base
Standards	EN54 Pt3
Specification	
Operating voltage	17V dc to 32V dc
Standby current	< 320µA
Tones (set by panel)	Continuous: 910Hz Pulsed: 910Hz / 0Hz pulse 1Hz Two tone: 610 / 910Hz at 1Hz cycle Slow whoop
Sound output at +/-3dB at 1 meter (set by panel)	Low volume : 84dB at < 4mA Medium volume : 92dB at < 8mA High volume : 95dB at < 12mA
Environmental	
Operating temperature	-10 to +55°C
Humidity (non condensing)	0 to 95% RH
Physical	
Construction	PC/ABS
Colour	White
Dimensions (Dia x D)	102mm x 40mm
Weight	0.2kg
Ingress protection	IP40
Compatibility	
Suitable for use with	Eaton intelligent addressable fire systems

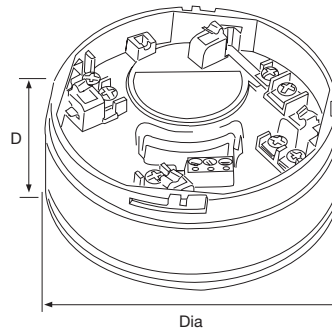
Installation

1. Installation is simple using first fix base.
2. First fix base is fixed to mounting surface via 2 fixings holes.
3. Cables enter through aperture in base (rear entry only)
4. Main body is then clipped into place on base, main body locks into place when pressed into position.
5. Cables pass through aperture in sounder body and terminate at the front.
6. Connections are to connector block on front of main sounder body.
7. Sensor or cover plate is then fixed to sounder.
8. Sensor or cover plate can be locked in place if required.

System functionality

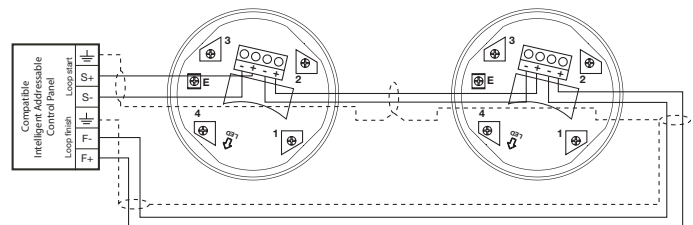
1. Volume and tone are set by control panel, no need to access sounder to alter setting.
2. Soft addressed.

Dimensions



Dia (mm)	D (mm)
102	40

Standard connections



WARNING:
Do NOT use high voltage testers if ANY equipment is connected to the system.
Earth screen must be continuous along entire length of loop.

NOTE:
Base terminal 1, 2, 3 and 4 not used. All wiring terminates as shown above.

Catalogue numbers

Description	Code
Sounder base	MAS850
Optical smoke sensor	MAP820
Photo/thermal sensor	MAOH850
Multi-mode heat sensor	MAH830
Cover plates (pack of 5)	CASC