CASBB394, CASBB394-VSR

Intelligent addressable open class visual alarm device (VAD) base

A Fire approved sounder beacon base that can be fitted with a detector, providing a compliant and flexible safety solution.

The intelligent addressable CASBB394 is certified as an Open Class Visual Alarm Device (VAD) and is compatible with the Eaton range of intelligent addressable sensors and fire systems.

This device includes all the features of the intelligent addressable sounder base (CAS380) whilst also incorporating a powerful VAD.

The products incorporated sensor mounting base can be fitted with a detector, or alternatively an optional cover plate (CASC) can be used to provide a dedicated, discreet stand alone device.

The VAD stop on reset (VSR) variant is suitable for use in applications where the VAD element is required to operate until the fire system has been reset.

Features and benefits

- Integral short circuit isolator
- Can be used with a sensor as a sounder beacon base or stand alone as a sounder beacon
- Cover plate (optional)
- First fix base
- Selectable tones and adjustable volume via Fire alarm control panel
- Single point connection for sensor, sounder and VAD (saving on both time and installation costs)
- Easy to maintain/service
- VAD stop on reset version available

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Technical specification

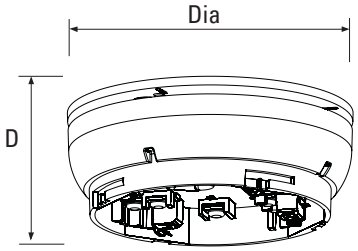
Code	CASBB394, CASBB394-VSR
Supply Voltage	19 – 30vdc
Cable Size / type	0.5 - 2.5mm/ FIRETUF, FP200 or MICC
Standby current	< 450 uA
Operating temperature	-10 to +55oC (95%RH)
Material	ABS/PC FR Plastic
Environment Category	Type A / IP21C
Sound output @ +/-3dB (set by panel)	Low volume: 83dB @ <8.6mA Medium volume: 90dB @ <10mA High volume: 93dB @ <11mA
Compliance	EN54-3 Fire Alarm Device – Sounder EN54-17:2005 EN54-23:2010
Tones (set by panel)	Continuous 910Hz Pulsed 910 / 0Hz pulse 1Hz Two Tone 610 / 910Hz @ 1Hz cycle Slow whoop 500-1200Hz in 3.5 seconds / 0.5secs gap
Beacon	0.5Hz Flash
Flash colour	White
Total Loop Resistance for correct operation of short circuit isolator	50Ω (max)
Parallel Fault Resistance to be seen at the Control Panel for isolators to open	200Ω (typ)
Continuous Current allowable through isolator	700mA (max)
Isolator Resistance in closed state	0.26Ω (max)
Leakage Current into direct short circuit with isolator open	14mA (max)
Voltage at which isolator changes from open to closed or closed to open state	3.8V to 11V
Maximum switching current of isolator	1.5A

* Pulsed tone not available on CASBB394-VSR

Installation

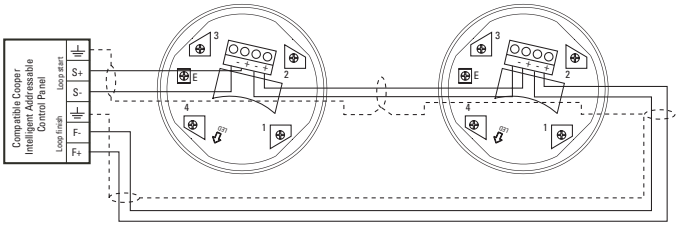
1. Installation is simple using first fix base.
2. First fix base is fixed to mounting surface via 2 fixings holes.
3. Cables enter through aperture in base (rear entry only).
4. Main body is then clipped into place on base, main body locks into place when pressed into position.
5. Cables pass through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

Dimensions



Dia (mm)	D (mm)
114	46

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.**

System functionality

1. Volume and tone are set by control panel, no need to access sounder to alter setting.
2. Soft addressed.
3. VAD Stop on Reset
   a. On fire alarm condition, both audible and visual elements operate
   b. On alarm silence command, the audible element will silence. The visual element will continue to operate. This behaviour will not change until system reset.
   c. On system reset, the visual element will turn off and both audible and visual elements will reset to quiescent operation.

Catalogue numbers

Description	Order Code	Model reference
Open class VAD base	CASBB394	CASBB394
Open class VAD base VAD stop on reset	CASBB394-VSR	CASBB394-VSR
Optical smoke sensor	CAP320	CAP320
Photo/thermal sensor	CAPT340	CAPT340
Multi-mode heat sensor	CAH330	CAH330
Cover plates (pack of 5)	CASC	CASC

Note: All information correct at the time of writing. Eaton reserve the right to make changes to this information. Please contact Eaton if you have any queries.

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