



Compact C-3-8 Ceiling VAD c/w 91dB(A) Sounder

Addressable – Devices

Part No. BF451A/CX/SW

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Product Details

The Compact range of addressable, looppowered, devices include sounders, visual alarm devices (VADs) and combined sounder VADs. They are designed for indoor use with C-TEC's ZFP/XFP and other Apollo Discovery compatible fire panels.

Their purpose is to visually and audibly alert building occupants of a fire alarm. The devices offer low current consumption, high sound output, high efficiency VADs, seven selectable volume levels, 15 selectable tone pairs and built-in short-circuit loop isolators.

The sounder and VAD on the combined device can be set to operate independently of each other (panel dependent function).

All devices are fully compliant with the relevant sections of the fire alarm device standards EN 54-3 (Sounders), EN 54-23 (Visual alarm devices - VADs) and EN 54-17 (Short-circuit isolators).



Key Features

- Third-party certified to EN54-3 (Sounders), EN54-23 (VADs) and 17 (Isolators) by Intertek.
- Provides 'C-3-8' light distribution when ceiling mounted (min 0.4 lux over a 3 x 8m cylindrical area).
- Can also provide 'W-3-3.1' light distribution when wall mounted (min. 0.4 lux over a 3 x 3.1m cuboid area).
- Impressive 91dB(A) sound output @ 1m.
- Onboard short-circuit loop isolator.
- 550µA quiescent current.
- 14mA alarm current @24V DC (VAD lit, sounder on max).
- Group addressing facility allows multiple devices to be operated simultaneously.
- 7 selectable volume levels and up to 15 selectable tone pairs.
- IP21C rated.

Technical Specifications

Approvals/certifications	Certified to EN54-3, 23 & 17 by Intertek
Protocol/compatibility	Compatible with C-TEC's XFP/ZFP XP95/Discovery Addressable Fire Panels
Application/operation	Provides C-3-8 coverage when ceiling mounted. Alternatively can be wall mounted to provide W-3-3.1 coverage.
VAD category & coverage	C-3-8 (151m3 cylindrical coverage): W-3-3.1 (30m3 cuboid coverage).
Flash rate & colour	0.5Hz / White
Supply/operating voltage	17 to 28V DC (Sounder); 21 to 28V DC (Sounder/VAD).
Quiescent current	550µA @ 24 VDC.
Nominal SPL (Sound Pressure Level)	91dB(A) when set to tone 1.

Alarm current	14mA (VAD lit, Sounder on max).
Indicators	Polling (green LED) & Short Circuit Isolator Active (amber LED).
Product dimensions (mm)	102mm diameter x 63mm deep (not including optional XP95/Discovery and base).
IP Rating	IP21C (Type A).
Weight	175g.
Operating conditions/temperature	-10°C to +55°C. Max. 95% RH (Non-condensing).