



CAST Compact W-3-3.1 Wall VAD c/w 96dB(A) Sounder

Part No. **CA451A/SR**



Overview

Certified to EN54-3, 23 & 17 by the LPCB.

Provides 'W-3-3.1' light distribution when wall mounted.

Can also provide 'C-3-8' light distribution when ceiling mounted.

Impressive 96dB(A) sound output @ 1m.

Onboard short-circuit loop isolator.

550µA quiescent current.

14.5mA alarm current @35V 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.

More Information

CAST is the world's most-advanced 'distributed intelligence' fire alarm system protocol. Conceived, designed and realised by C-TEC as part of a five-year, multi-million pound project, it involved the creation of a powerful proprietary communication protocol (C-TEC Addressable System Technology, CAST) and multiple control panels & field devices. Now available to purchase, its key features include:

255 devices per loop.

Autonomous decision-making for faster response times.

Multiple type codes.

40V loop drive voltage.

Two 'soft' addressing options - automatic via the panel or manual via a powerful handheld programmer.

Powerful multi-level addressing facilitates easy device addition and swapped device identification.

Multiple functionality at a single address (integrated devices) - due 2019.

Volumes, tones & detector modes can be changed at compatible panels.



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High-speed data transmission and robust data transfer.

Intrinsically EN54-13 compliant.

Provides geographical location of short and open circuit faults (a short circuit isolator is included as standard in every CAST field device).

Replace device function.

Future seamless integration with other CAST life safety systems reducing energy, servicing, installation and repair costs.

Designed and manufactured in the UK.

Technical Specifications

Approvals/certifications	Certified to EN54-3, 23 & 17 by the LPCB.
Protocol/compatibility	Compatible with C-TEC's CAST protocol Addressable Fire Panels.
Application/operation	Provides W-3-3.1 coverage when wall mounted. Alternatively can be ceiling mounted to provide C-3-8 coverage.
VAD category & coverage	W-3-3.1 or C-3-8.
Flash rate & colour	0.5Hz / White.
Supply/operating voltage	27 to 40V DC.
Quiescent current	550µA.
Nominal SPL (Sound Pressure Level)	96dB(A) when set to tone 1.
Alarm current	14.5mA (VAD lit, Sounder on max).
Indicators	Polling (red LED).
Product dimensions (mm)	102mm diameter x 63mm deep (not including optional CAST detector and base). Weight: 175g.
IP Rating	IP21C (Type A).
Operating conditions/temperature	-10°C to +55°C. Max. 95% RH (Non-condensing).



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