

CAST Compact C-3-8 Ceiling VAD c/w 96dB(A) Sounder

Part No. **CA451A/SW**



Overview

- LPCB certified to EN54-3, 17 & 23 and Kiwa Telefication & DBI certified to EN54-13.
- EN54-13 & NTN 179L: 2021 certified by Belgian certification body BOSEC.
- Also certified to the relevant parts of EN54 with Swedish certification body SBSC.
- Provides 'C-3-8' light distribution when ceiling mounted.
- Can also provide 'W-3-3.1' light distribution when wall mounted.
- Impressive 96dB(A) sound output @ 1m.
- Onboard short-circuit loop isolator.
- 12.5mA typical alarm current (460µA typical quiescent current) @ 27-40V DC (VAD lit, sounder on max).
- Group addressing facility allows multiple devices to be operated simultaneously.
- 4 selectable volume levels and 31 selectable tones.
- IP21C rated.



More Information

'CAST' is the world's most-advanced 'distributed intelligence' fire alarm system protocol. Conceived, designed and realised by C-TEC, it involved the creation of a powerful proprietary communication protocol (C-TEC Addressable System Technology, CAST) and multiple control panels & field devices. 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) via our CAST-PRO devices.
- Volumes, tones & detector modes can be changed at compatible



panels. • High-speed data transmission and robust data transfer. • Intrinsically EN54-13 compliant. • 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, 17 & 23 by LPCB and certified to EN54-13 by Kiwa Telefication, Certified to EN54-13 & NTN 179-L:2021 by BOSEC, Certified to EN54-13 by DBI, Certified to the relevant parts of EN54 by SBSC
Protocol/compatibility	Compatible with C-TEC's CAST protocol Addressable Fire Panels.
Application/operation	Provides C-3-8 rated coverage coverage when ceiling mounted. Can also be wall mounted to provide W-3-3.1 rated coverage.
VAD category & coverage	C-3-8 or W-3-3.1.
Flash rate & colour	0.5Hz / White.
Supply/operating voltage	27 to 40V DC.
Quiescent current	460µA typical.
Nominal SPL (Sound Pressure Level)	96dB(A) when set to tone 1.
Alarm current	12.5mA @ 27 to 40V DC (VAD lit, Sounder on max).
Indicators	Polling (red LED).
Product dimensions (mm)	102mm diameter x 63mm deep.
IP Rating	IP21C (Type A).
Weight	175g.
Operating conditions/temperature	-10°C to +55°C. Max. 95% RH (Non-condensing).

