

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

Part No. **CA451A/SR**



### Overview

- LPCB certified to EN54-3, 17 & 23 and Kiwa Telefication certified to EN54-13.
- 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.
- 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 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) - coming soon. • Volumes, tones & detector modes can be changed at compatible panels. • 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           | LPCB certified to EN54-3, 17 & 23 and Kiwa Telefication certified to EN54-13.                                |
| 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                  | 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                             | 1.75kg.  |
| Operating conditions/temperature   | -10°C to +55°C. Max. 95% RH (Non-condensing).  |



T 01942 322744 E sales@c-tec.co.uk  
F 01942 829867 W www.c-tec.com



C-TEC, Challenge Way, Martland Park, Wigan, WN5 0LD United Kingdom