

## CAST Compact 96dB(A) Wall Sounder

Part No. **CA450A/SR**



### Overview

- LPCB certified to EN54-3 & 17 and Kiwa Telefication certified to EN54-13.
- Impressive 96dB(A) sound output @ 1m.
- Onboard short-circuit loop isolator.
- 5.5mA typical alarm current (460µA typical quiescent current) @ 24-40V DC (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 and Kiwa Telefication certified to EN54-13 |
| Protocol/compatibility             | Compatible with C-TEC's CAST protocol Addressable Fire Panels.           |
| Application/operation              | Suitable for wall or ceiling mounting.                                   |
| Supply/operating voltage           | 24 to 40V DC.  |
| Quiescent current                  | 460µA typical.   |
| Nominal SPL (Sound Pressure Level) | 96dB(A) when set to tone 1.  |
| Alarm current                      | 5.5mA @ 24 to 40V DC.(Sounder on max).                                   |
| Indicators                         | Polling (red LED).   |
| Product dimensions (mm)            | 102mm diameter x 63mm deep.  |
| IP Rating                          | IP21C (Type A).  |
| Weight                             | 160g.  |
| Operating conditions/temperature   | -10°C to +55°C. Max. 95% RH (Non-condensing).                            |



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