CAST 92dB(A) Base Sounder

Part No. CA431A/W



Overview

- LPCB certified to EN54-3 & 17 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.
- Impressive 92dB(A) sound output @ 1m.
- Onboard short-circuit loop isolator.
- 5.5mA typical alarm current (460µA typical quiescent current) @ 24-40V DC.
- Group addressing facility allows multiple devices to be operated simultaneously.
- 4 selectable volume levels and 31 selectable tones.
- Optional BF330CTLIDW white or BF330CTLIDR red cap available for stand-alone use.
- IP21C rated.
- White ceiling fixing plate & detector spur wires included.

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

C-TEC, Challenge Way, Martland Park, Wigan, WN5 0LD, UK
Telephone: **01942 322744**
Email: **sales@c-tec.co.uk**
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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 EN54-13 by Kiwa Telefication & DBI, Certified to EN54-13 & NTN 179-L:2021 by BOSEC, Certified to EN54-3 and 17 by the LPCB., Certified to the relevant parts of EN54 by SBSC
Protocol/compatibility	Compatible with C-TEC's CAST protocol Addressable Fire Panels.
Application/operation	Designed to be ceiling mounted – either stand-alone with a red or white cap or as part of a stacked Sounder/Detector Base combination.
Supply/operating voltage	24 to 40V DC.
Quiescent current	460µA @ 24 to 40V DC (typical).
Nominal SPL (Sound Pressure Level)	92dB(A) when set to tone 1.
Alarm current	5.5mA @ 24 to 40V DC (typical, sounder on max).
Indicators	Polling (red LED).
Product dimensions (mm)	122mm diameter x 46mm deep (not including optional CAST detector and base).
IP Rating	IP21C (Type A).
Weight	170g.
Operating conditions/temperature	-10ºC to +55ºC. Max. 95% RH (Non-condensing).

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