

CAST O-R-3-2.5-18 Base VAD c/w Voice Sounder

Part No. **CA455A/W**



Overview

- Provides 'O-R-3-2.5-18' rated light distribution.
- Ideal for use in corridors (mount in a specific orientation for 2.5m width & 18m length rated coverage). See VAD Coverage section below for further details.
- Superb sound intelligibility.
- Onboard short-circuit loop isolator.
- Four selectable volume levels
- Six selectable messages with tones (2 evacuate, 1 alert, 1 all clear & 2 system test messages).
- 26.5mA typical alarm current (470µA typical quiescent current) @ 27-40V DC (max volume & brightness).
- Group addressing facility allows multiple devices to be operated simultaneously.
- Optional BF330CTLIDW white or BF330CTLIDR red cap available for stand-alone use.
- IP21C rated.
- White ceiling fixing plate & detector spur wires included.
- Custom messages and CAST Lockdown Sounder/VADs also available to special order.



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

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/VAD/Detector Base combination.
VAD category & coverage	O-R-3-2.5-18.
Flash rate & colour	0.5Hz / White.
Supply/operating voltage	27 to 40V DC.
Quiescent current	470µA typical.
Nominal SPL (Sound Pressure Level)	89 dB(A) @ 1 m
Alarm current	26.5mA (VAD lit, 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	-10°C to +55°C. Max. 95% RH (Non-condensing).
Notes	Includes the same lenses and electronics as our CAST EN54-3, 13, 17 & 23 certified Base Sounder VAD.