Hi-Output Wall Voice Sounder VAD (deep base)

Part No. BF447A/CX/DR

- Superb sound intelligibility.
- Includes three selectable voice message pairs.
- Provides 'W-2.4-8.2' light distribution when wall mounted (min 0.4 lux over a 2.4m x 8.2m cuboid area using the same lens and electronics as our EN54-23, 3 & 17 certified wall sounder VAD).
- Onboard short-circuit loop isolator.
- 550µA quiescent current.
- 19.5mA alarm current @24V DC (VAD lit, voice sounder on max).
- Group addressing facility allows multiple devices to be operated simultaneously.
- 7 selectable volume levels and up to 15 selectable tone pairs.
- IP33C (Type B) rated.

Technical Specifications ⌃

Protocol/compatibility	Compatible with C-TEC's XFP/ZFP XP95/Discovery Addressable Fire Panels.
Application/operation	Designed to be wall mounted. Indoor areas only.
VAD category & coverage	W-2.4-8.2.
Flash rate & colour	0.5Hz / White.
Supply/operating voltage	17 to 28V DC (Sounder); 21 to 28V DC (Sounder/VAD).
Quiescent current	550µA @ 24 VDC.
Nominal SPL (Sound Pressure Level)	TBC. See tab below for Voice Message selection options and audio preview files.
Alarm current	19.5mA (VAD lit, Voice Sounder on max).
Indicators	Polling (green LED) & Short Circuit Isolator Active (amber LED).
Product dimensions (mm)	114mm diameter x 131mm deep
IP Rating	IP33C (Type B).
Weight	315g.
Operating conditions/temperature	-10ºC to +55ºC. Max. 95% RH (Non-condensing).
Notes	Includes the same lens and electronics as our EN54-23, 3 & 17 certified Wall Sounder VAD.

VAD coverage (with multiplication factors applied) ⌃

VAD coverage depends on factors such as ambient light and viewing angle (direct or indirect). The table below summarises how the coverage of the BF433A/CX/DR increases or decreases based on these factors. To use the table, calculate the lux level of the area requiring coverage, determine whether the viewing angle will be direct or indirect then read off the coverage in the relevant column. For further information refer to our VAD System Design Guide, downloadable from the Documentation tab below.

Lux level in area requiring coverage	W-2.4-8.2 Wall Mounted Direct Viewing	W-2.4-8.2 Wall Mounted Indirect Viewing	W-4-4 Wall Mounted Direct Viewing	W-4-4 Wall Mounted Indirect Viewing
000-101 lux	12.5m H x 42.6m W	4.3m H x 14.8m W	20.8m H x 20.8m W	7.2m H x 7.2m W
101-200 lux	10.6m H x 36.1m H	4.1m H x 13.9m W	17.6m H x 17.6m W	6.8m H x 6.8m W
201-300 lux	7.7m H x 26.2m W	3.4m H x 11.5m W	12.8m H x 12.8m W	5.6m H x 5.6m W
301-400 lux	5.5m H x 18.9m W	2.9m H x 9.8m W	9.2m H x 9.2m W	4.8m H x 4.8m W
401-500 lux	4.3m H x 14.8m W	2.4m H x 8.2m W	7.2m H x 7.2m W	4.0m H x 4.0m W
501-600 lux	3.1m H x 10.7m W	2.1m H x 7.4m W	5.2m H x 5.2m W	3.6m H x 3.6m W
601-700 lux	2.4m H x 8.2m W	not applicable	4.0m H x 4.0m W	2.8m H x 2.8m W
701-800 lux	not applicable	not applicable	2.8m H x 2.8m W	not applicable

Voice Message Options ⌃

Messages - Pair One

Tone/Voice Message 1 (Primary)

Tone: Evacuate (550 Hz for 0.5 sec, 825 Hz for 0.5 sec);
Message: Attention please. Attention please. Fire has been reported in the building. Please leave immediately by the nearest exit. (repeated 2x)

0:00 / 0:09

Tone/Voice Message 2 (Secondary)

Tone: Alert (1 sec off, 825 Hz for 1 sec);
Message: This is a fire alert.This is a fire alert. Await further instructions. Await further instructions. (repeated 2x).

0:00 / 0:08

Messages - Pair Two

Tone/Voice Message 1 (Primary)

Tone: Evacuate (550 Hz for 0.5 sec, 825 Hz for 0.5;
Message: In the interests of safety please evacuate the building now. (repeated 3x).

0:00 / 0:04

Tone/Voice Message 2 (Secondary)

Tone: Alert (1 sec off, 825 Hz for 1 sec);
Message: All Clear. The emergency has been resolved. It is safe to resume normal activities. All Clear. (repeated 2x).

0:00 / 0:07

Messages - Pair Three

Tone/Voice Message 1 (Primary)

Tone: Evacuate (550 Hz for 0.5 sec, 825 Hz for 0.5 sec);
Message: This is a test of the fire alarm system. Please do not take any action. (repeated 2x).

0:00 / 0:04

Tone/Voice Message 2 (Secondary)

Tone: Alert (1 sec off, 825 Hz for 1 sec);
Message: The fire alarm test is now complete. (repeated 3x).

0:00 / 0:03

Documentation   ⌄

7 other products in the same category: ⌄

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