

XP95 Base Sounder VAD Cat O

Features

- Two volume ranges
- Alert and Evacuate tones
- Synchronisation of tones
- Category O VAD
- Built-in short circuit isolator
- Unique acoustic and VAD self-test
- Complies with AS7240-3 and AS7240-23

Description

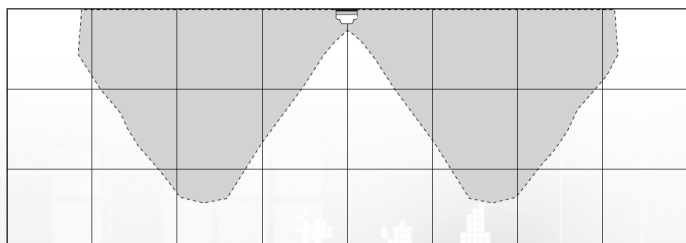
The XP95 Base Sounder Visual Alarm Device (VAD) is a loop powered sounder and VAD combined with a standard intelligent mounting base. It is used to signal a fire alarm in enclosed areas.

The volume range is switch selectable during installation stage. The low volume range is useful in areas such as hospitals where a fire alert is initially intended to warn staff only. The sounder is certified to AS7240-3 for general use when the higher volume range is selected.

Synchronisation of tones ensures the integrity of the signal-tones from different sounders do not merge into one signal that could be mistaken for a different tone. For systems requiring isolators at every point the built-in isolator saves installation time and cost.

The acoustic self-test means that the sounder listens to itself when it is switched on. If no sound is detected a fault signal is transmitted when the sounder is polled. The VAD self-test is achieved by means of an LED monitoring circuit. If the LEDs do not draw current when the Base Sounder VAD has been switched on a fault signal is transmitted to the control panel when the device is next polled.

The cross section of coverage volume and light pattern is shown below where each square represents 1M.



Sound Pressure Level at 1 metre

Angle	Horizontal Plane dB		Vertical Plane dB	
	Vmin	Vmax	Vmin	Vmax
15°	78.89	83.00	73.23	77.56
45°	76.70	80.90	70.70	75.07
75°	79.64	83.87	79.75	83.95
105°	80.18	84.39	79.83	84.07
135°	74.71	78.95	79.27	83.50
165°	76.96	81.16	83.68	87.90



Specifications

Operating Voltage	17 to 28 VDC
Current consumption at 24V	
Switch on surge	1.2 mA for 1 sec
Quiescent	350µA
Sounder operated	14mA
Sound output (high volume)	Max 88dB Min 71dB
Sound output (low volume)	Max 73dB Min 58dB
Sound pattern (evacuate)	520Hz +/- 5% on a temporal 3 pattern (ISO8201)
Sound pattern (alert)	520Hz +/- 5%, 1 pulse of tone for 0.5 seconds followed by 3.5 seconds of silence (ISO7731)
Flash rate	0.5Hz
Dimensions	115mm x 38mm
Weight	168 grams
Operating temperature	-20°C to +60°C
Humidity (no condensation)	0 to 95%
IP rating	21C
Sounder type	Type A
Approval	AS7240-3:2014 AS7240-23-2014

The XP95 Base Sounder VAD can be used either with a detector fitted or with a cap for operation as a stand-alone alarm device.

Item Numbers

4107-6002	XP95 Base Sounder VAD Cat O
201-0114	XP95 White Base Sounder Cap
201-0119	XP95 Red Base Sounder Cap