

XP95 Base Sounder VID Beacon

Features

- Two volume settings
- Alert and Evacuate tones
- Synchronisation of tones
- Synchronisation of beacon flash
- Individual and group addressing
- Built-in short circuit isolator
- Unique acoustic self-test
- Unique beacon self-test
- Complies with AS7240-3



Description

The XP95 Base Sounder Beacon is a loop-powered sounder device with integral detector mounting base and incorporates a supplementary visual indicator device VID. The device has been designed to signal a fire alarm in enclosed areas where the sounder is required as the primary method of notification and where supplementary visual indication would also be a benefit.

Alert and Evacuation tones complying with the recommendations of AS7240-3 are incorporated which are fully programmable for staged evacuation control within the LoopSense and FireFinder control panels. The device does not comply with AS7240-23.

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 set to the high range for general use.

Synchronisation of tones ensures the integrity of the alarm 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 built in acoustic self-test enables the sounder to listen to itself when it is switched on and if no sound is detected, a fault signal will be transmitted when the sounder is polled to the control panel.

The beacon self-test is achieved by means of an LED monitoring circuit. If the LEDs do not draw current when the sounder beacon base has been switched on a fault signal is transmitted when the device is next polled.

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

Sound Pressure Level at 1 metre

Angle	Horizontal Plane dB		Vertical Plane dB	
	Vmin	Vmax	Vmin	Vmax
15°	77.30	81.66	69.47	73.94
45°	75.34	79.68	70.93	75.40
75°	80.08	84.42	79.65	84.00
105°	7.61	83.93	79.94	84.25
135°	75.14	79.57	78.28	82.61
165°	76.46	80.73	82.55	86.88

Specifications

Operating Voltage	17 to 28 VDC
Current consumption at 24V	
Switch on surge	<1s 1.2 mA
Quiescent	300µA
Sounder operated	8mA
Sound output (high volume)	Max 87db Min 69dB
Sound output (low volume)	Max 72dB Min 57dB
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	140 grams
Operating temperature	-20°C to +60°C
Humidity (no condensation)	0 to 95%
IP rating	21D
Sounder type	Type A
Approval	AS7240-3:2014

Item Numbers

4107-6001	XP95 Base Sounder VID Beacon
201-0114	XP95 White Base Sounder Cap
201-0119	XP95 Red Base Sounder Cap