LPAV3000 shown with 801PC detector

LPSB3000 shown with 801PC detector

Minerva® MX

AVBase Loop Powered Sounder Base and Sounder Beacon Base

Features:

- High output programmable sounder base and sounder beacon base
- One point of installation for detector, isolator, sounder & beacon
- Loop powered from the MX Technology® Digital Loop
- High brightness Multi-LED Beacon
- Software programmable
- 15 Tones and 2 Flash Rates
- Integral line isolator
- RSM (Reflective Sound Monitoring)
- Can be used as a standalone device using the sounder blanking cap

The Minerva®MX AVBase range of devices includes a sounder beacon base and a high output sounder base for use with MX Technology fire controllers,MX1000,MX4000, MX2 & MZX.

DDA Compliance

In many cases , to ensure compliance with the Disability Discrimination Act (DDA) it is necessary to install visual warning devices in addition to the normal fire alarm sounders. With Minerva® MX and the AVBase, compliance with the DDA is uncomplicated and does not require the use of special, high cost detection units.

Reflective Sound Monitoring (RSM)

Reflective Sound Monitoring is employed to monitor the audio output of the sounder. This is particularly beneficial during regular weekly sounder tests. RSM allows the system to listen for audibility whenever the sounders are operated and the Minerva® MX panel will alert the user if any sounders fail to operate Failure of the beacon would also generate a fault at the control panel.

Integral Line Isolation

This range of AV Bases are designed to operate on the robust Minerva® MX digital loop. An integral line isolator automatically provides protection against short circuit cable faults thus reducing the need for additional line isolator modules.

Simplified Installation

As a single point of installation for detector, isolator, sounder and beacon, installation costs are reduced and wiring is simplified.

Four volume settings are selectable ranging from high (90dB) to low (60dB) and 15 tones are available. The high brightness Multi- LED beacon provides a 1.5 candela output with adjustable flash rate.

Programming has been simplified by allowing the tone, volume and flash rate to be set by the Minerva® MXConsys configuration utility. This means adjustments to the settings can be achieved without having to access the device location. Changes can be made to all sounders by a single panel software download which saves time and reduces commissioning costs.

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Tone Description

Continuous 970Hz
Banshee LF buzzer
3Hz Banshee fast sweep
9Hz Banshee fast sweep
Dutch slow whoop
BS 1Hz sweep
March time beep
7Hz fast sweep
2-tone
DIN 1Hz sweep
Temporal 3 (ISO 8201) *
Temporal 4
Alternating (NF-S 32.001)
Yodalarm
Conventional bell

* With an increasing frequency from 500 Hz to 1200 Hz during the 0.5 s 'on phase' of the signal (meets Australian AS 1670.4)

Configuration

The AV Base range is supported by Minerva® MXConsys version 14 or later.
Designs should be validated using Minerva® MXDesigner version 5.0 or later

Mechanical Characteristics

Dimensions
102 mm dia x 42 mm high
Weight:
LPSB3000 0.160 kg
LPAV3000 0.170 Kg
Materials
Housing ABS FR & Polycarbonate

Enviromental

Temperature

Operating	-20°C to +70°C
Storage	-25°C to +70°C

Humidity
Up to 95% RH (non condensing)
IP Rating 21 C EN60529

EMC

The range complies with the following:
Product family standard EN50130-4 in respect of conducted disturbances, radiated immunity, electrostatic discharge, fast transients and slow high energy.
EN61000-6-3 for emissions.

Electrical

Addressable Loop Voltage 20-40VDC
DC Loop loading
Quiescent   380μA
Alarm
 Sounder 4.5mA
 Sounder Beacon 8.5mA
(maximum load, dependant on volume & flash rate)

Ordering Information

516.800.957	LPSB3000 Sounder only L/P addressable base
516.800.958	LPAV3000 Sounder beacon L/P addressable base
516.800.959	DAB3-4 Mounting flange – type B for conduit (Pack of 10)
557.001.040	Sounder Blanking Cap MK2 (Pack of 5)

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