



LPAV3000 shown with  
801PC detector



LPSB3000 shown with  
801PC detector

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.

## 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

### 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.

## 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

## Environmental

### 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)

For further information on how we can help you, please visit our website at [www.tycofis.com](http://www.tycofis.com) or e-mail us on [tfis.fda.uk@tycoint.com](mailto:tfis.fda.uk@tycoint.com).  
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