

## EV120 Single Zone Emergency Warning System

A Fire Alarm Control Panel compatible product

PDS222-0008

### Description

The EV120 Single Zone Emergency Warning module is a compact microprocessor based tone generator. Tones are generated to meet with AS2220.1:1989 or ISO7731:2003/8201:1987. Line monitoring of the speaker circuit can be achieved. It may be installed into most fire alarm control panels or as a stand-alone in an enclosure. The EV120 produces a 120-watt R.M.S. output at 100V. Optional extras provide versatility and wider applications.

The unit is ideal in areas where a cost effective solution is required to provide tones that meet AS2220 or ISO7731/8201. A number of 100-volt line speakers may be installed and connected to this unit. Optional extras allow the module to achieve public address facility and background music.

The EV120 is a combination of a modified EV20 that is connected to a 120-watt power amplifier. The power amplifier incorporates protection for short circuit, overload and thermal cut-out. A cooling fan is also supplied standard with each amplifier.

As a complete unit the EV120 is compact and designed to be easily installed in a fire alarm control panel or as a stand-alone system.

### Technical

- Alert and Evacuation tones to AS2220.1:1989 or ISO7731:2003/8201:1987
- Speaker Line monitoring
- Adjustable volume controls
- Fire Alarm Control Panel input
- Changeover time out – 0, 30, 60, 120, 180, 240 or 300 seconds or no change over
- Short circuit protection
- Fault indication
- Large 2.5mm terminals for field wiring
- P. A. microphone input (Optional feature)

### Applications

- Small offices
- Clinics
- Retirement villages

### Specifications

<b>SUPPLY VOLTAGE</b>	23.5 to 28 VDC
<b>QUIESCENT CURRENT</b>	261 mA
<b>MAX. CURRENT DRAW</b>	8041 mA
<b>MAX. SPEAKER LOAD</b>	120 Watt @ 100-Volts
<b>ALERT TONE</b>	AS2220: 420Hz pulsed for 0.625 sec at 1.25 sec intervals ISO7731: 420Hz pulsed for 0.6 sec on and 0.6 sec off
<b>EVACUATION TONE</b>	AS2220: Sweep tone 500-1200 Hz for 3.75 sec at 4 sec intervals ISO8201: 3 cycles of Sweep tone 420-1200 Hz 0.5sec on and 0.5 off followed by 1.5 sec interval
<b>F.I.B. INPUT</b>	N.O.
<b>END-OF-LINE RESISTOR</b>	47k ohms
<b>DIMENSIONS (mm)</b>	
<b>Main EV120 unit</b>	170H x 210W x 85D mm
<b>Switch control</b>	90H x 35W x 40D mm
<b>P.A. input board (Opt.)</b>	63H x 35W x 18D mm
<b>Order code</b>	Description
<b>222-0008</b>	AS2220:1989 tones
<b>222-0023</b>	ISO7731:2003 / 8201:1987 tones
<b>222-0007</b>	Public Address upgrade kit



## EV120 Single Zone Emergency Warning System

A Fire Alarm Control Panel compatible product

PDS222-0008

