

Sonix™ Eol 1 Sa

PA/GA power amplifier field end of line unit

Overview

Sonix™ Eol 1 Sa is a compact design unit, housing the circuitry for amplifier loudspeaker circuit monitoring. On systems where loudspeakers cannot practically be connected in “self-healing loop” topology, the Eol 1 Tu Sa can be located after the last speaker, to monitor that radial / spur.

Features

- Provides speaker monitoring on radial circuits
- Robust and reliable loudspeaker monitoring
- Earth, short, open and deviation checking
- Compact enclosure
- Rapid installation
- Low maintenance

For use in Sa areas, the Eol 1 Ex provides fault free and seamless speaker loop monitoring as if connected in a loop back to the PA/GA cabinet.

The Sonix™ 350-d amplifiers automatically perform silent monitoring and interrogation of each amplifier loop connected to the system, checking for open, short, earth and loudspeaker load deviations. During this time the Eol 1 Ex will acknowledge this test signal and handshake report back its status to the amplifier.

Any loss of handshake or non-definitive results will trigger the amplifier and 2Mx to report a fault and display this to the user via front status panels and out to the Sonix™ Software telecoms management system.

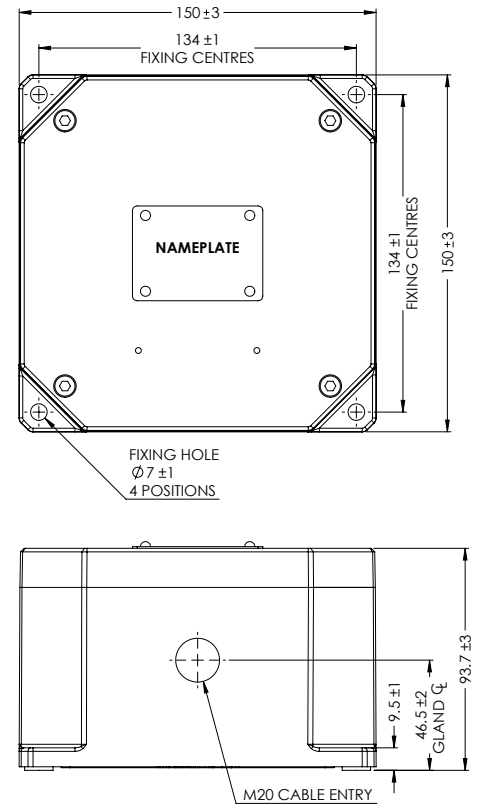
Connection to the Eol 1 is simply achieved by means of three 2.5mm² terminals; two for the speaker cable (non-polarised) and one bonded to telecom earth in the PAGA rack, via the screen of the loudspeaker cables. No additional cables are required

Specifications

Mechanical / environmental

Fixing	Direct mounting - Ø7mm fixing holes
Weight	2.5Kg
Dimensions (H x W x D mm)	150 x 150 x 95.5
Entries	Supplied with 1 X M20 entry as standard Other options available on request
Material	Polycarbonate
Finish	Natural black or painted to customer's specification
Operating temp	-55°C to +70°C
Service location	Safe internal location
Connectors	4mm ² terminals
Ingress protection rating	IP66 & IP67
Electrical	
Voltage	Inaudible signal superimposed from host amplifier
Consumption Ac	<50 mA

General arrangement drawing (all dimensions in mm)



Ordering requirements

The following code is designed to help in selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box

Model	Customisation						
Sonix™-Eol-1	<input type="text"/>						
	<table border="1"> <thead> <tr> <th>Customisation</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Not required</td> <td>N</td> </tr> <tr> <td>Required</td> <td>Z</td> </tr> </tbody> </table>	Customisation	Code	Not required	N	Required	Z
Customisation	Code						
Not required	N						
Required	Z						