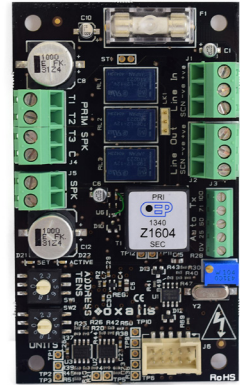


Sonix SP AD Ex

Intelligent field loudspeaker management unit for Ex areas



Product overview

The Sonix SP AD Ex provides supervision of the speaker voice coil, and power tap setting of the local loudspeaker. The SP AD Ex is designed to remove any false readings or error triggers typically found in such devices.

The SP AD Ex is designed to work in Ex areas, with existing speaker installations and is fitted in the location of the loudspeaker.

Product features

- ATEX and IECEx certified
- Robust and reliable loudspeaker monitoring
- Voice coil monitoring of individual speakers
- Remote power tap changing via software interface
- Remote safe isolation of loudspeakers
- Earth, short, open and deviation checking
- Compact enclosure
- Rapid installation
- Low maintenance
- Design focused MTBF/MTTR values

The SP AD Ex unit is designed to work within the Sonix PA/GA system, in conjunction with the 350-d amplifier and EOL 8 AD Tu. Set up, configuration, control and monitoring of the SP AD Tu Ex is done via the Sonix software, provided with the system.

Up to 50 SP AD Ex's on any amplifier loop sequentially communicate with the EOL 8 AD device for set up and monitoring. The power and communication is supplied by the existing loudspeaker cables, with no need for additional cables for this enhanced feature.

Certified for use in Ex areas, the SP AD Ex provides fault free and seamless speaker management, without any low level noise being broadcast. The SP AD Ex unit provides the means to individually monitor coil integrity, alter power loop setting, enabling quick and safe field works to be undertaken on the speakers, from the safe environment.

The Sonix 350-d amplifiers can still automatically perform silent monitoring and interrogation of each amplifier loop and speaker connected to the system, checking for open, short, earth and loudspeaker load deviations.

Connection to the Sp AD Ex is simply achieved by means of two 2.5mmsq field terminals.



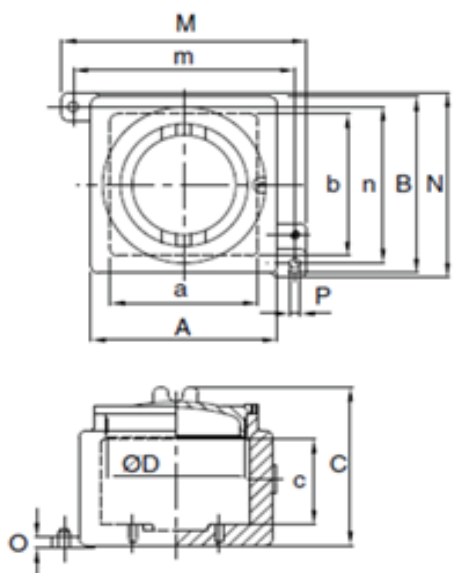
ATEX IECEx

EATON

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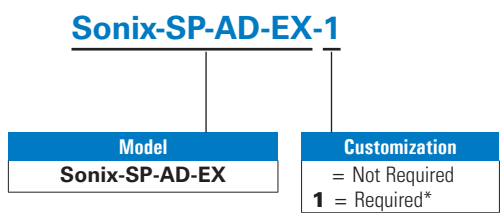
Specifications	
Mechanical/Environmental	
Fixing	7 mm dia industrial fixings
Weight	2 Kg
Dimensions (H x W x D mm)	126 x 130 x 112
Material	Cast Stainless Steel 316L or 304
Operating Temp	Suitable for Operation from: -20°C to +60°C
Service Location	Zone 1 & 2 (Gas)
Connectors	Polybutylene screw terminals
Ingress Protection Rating	IP66
Certification	ATEX, IECEx
Certification Information	II 2 GD Ex d IIc T6 – T3 Ex tDA21 IP66 T85°C – T200°C II 2 GD Ex d [ia/ib] IIc T6 Ex tD [iaD/ibD] A21 IP66 T85°C
Electrical	
Voltage	Inaudible signal superimposed from host amplifier
Consumption Ac	<50 mA

Dimensions and Fixing



Dimensions and Weight	
A	126
B	126
C	112.5
a	100
b	100
c	52
ØD	91
M	166
N	130
m	150
n	110
O	8
P	7
Q	80
R	80
Kg	2

Ordering Requirements



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