TCC-0001

Ex. IS sounder, 24 VDC, red

IS Sonos sounder

The IS electronic sounder has been approved for use in potentially explosive atmospheres for Group I (Mining) & Group II (Above Ground) applications and incorporates a high Ingress Protected IP66 enclosure.
The sounder unit incorporates a two stage alarm option and has a total of 32 selectable tones, selectable via a dip switch on the PCB and produces up to 105 dB at 1 meter.
A specially designed time saver base enables quick and easy installation of this unit with no extra cabling to be made to the head of the unit.
Connections are made to the base during the initial wiring phase which results in a faster more reliable installation. The sounder head simply twists & clicks into the pre-fixed base on commissioning avoiding any additional wiring & connections.
Further details can be found on the installation sheet' This unit must be used in conjunction with an approved Zener Barrier or Galvanic Isolator. The characteristics should not exceed Uo: 28 V, Io: 93 mA, Po: 660 mW, Ci: 0, Li 0. The minimum value of Uo should not drop below 23.6 V and the minimum value of Io should not drop below 50 mA.



Applications:

Fire, security, process control and general signalling

Details

- Approved by ATEX, IECEx
- Group I MI Ex ia I Ma
- Group II IGD Ex ia IIC T6 Ga, Ex ia IIIC T85˚C Da
- Zones 0, 1, 2, 20, 21 & 22
- Conforms to: EN 60079-0:2012 + All:2013 (IEC 60079-0:2011) EN-60079-11:2012 + (IEC 60079-11:2011)
- Diode polarised and end-of-line resistor compatible
- Dustproof and weatherproof

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Technical specifications

General

Compatibility	Conventional I.S. zone controllers
System support	Conventional systems

Electrical

Power supply type	24 VDC
Operating voltage	24 VDC
Current consumption	33 mA

Sounder

Output level	<105 dB(A)
Selectable tones	32 (2 stages)

Physical

Physical dimensions	102 x 105 (ø x h) 3 x M20 (Cable entries)
Net weight	330 g
Colour	Red
Mounting type	Base mount
Mounting position	Ceiling, Wall
Mounting base	Deep
Material	Flame retardant Polycarbonate

Environmental

Vandal proof	No
Operating temperature	-40 to +55ºC
Relative humidity	>90% at 20ºC
IP rating	IP66

Regulatory

Compliancy	CE, REACH, RoHS 3, WEEE
Certification	CENELEC/ATEX, CPR
Standards	ATEX (EMT17ATEX0012X) IECEx (EMT 17.0005X) EN54-3

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