

# IS-mA1 IS-minialarm

The IS-mA1 is a compact, 100dB(A) alarm sounder. Approvals include ATEX, IECEx and GOST-R for Zone 0 applications and FM approval for Class I Division 1 and Class I Zone 0 applications.

The IS-mA1 is suitable for all intrinsically safe signalling applications including fire, security and process control.

The IS-mA1M version is also available for Group I mining environments.

## Features

- Input overload and reverse current protection
- End of line resistor certified
- Auto synchronised sound output
- Available with custom tone configurations

## Approvals

- ATEX certificate: SIRA 05ATEX2084X
- IECEx certificate: IECEx SIR 06.0045X
- FM approved
- GOST-R certificate: POCC GB.JB05.B03365



## Specification

Nominal output:	100dB(A) @ 1m +/- 3dB - Tone 2* [91dB(A) @ 10ft/3m]
No. of tones:	49 (UK00A/PFEER compliant)
No. of stages:	3
Volume control:	Max. 100dB(A); Min. 90dB(A) - Tone 2
Effective range:	40m/131ft @ 1KHz
Voltage:	16-28vdc via Zener barrier or galvanic isolator
Current:	25mA typical when powered from 24v supply via 28v 300 Ohm Zener barrier
Ingress protection:	IP65
Rating:	Continuous
Housing material:	UL94V0 & 5VA FR ABS
Housing colour:	RAL3000 Red
Fixings:	Stainless Steel
Cable entries:	2 x M20 clearance gland knockouts. Custom configurations also available.
Terminals:	0.5 to 2.5mm <sup>2</sup>
Operating temp:	-40° to +60°C [-40 to +140°F]
Storage temp:	-40° to +70°C [-40 to +158°F]
Relative humidity:	90% at 20°C [68°F]

## Part Codes

### IS-mA1-R

ATEX / IECEx / FM  
II 1G Ex ia IIC T4 Ga (-40°C ≤ Ta ≤ +60°C)  
IS Class I, Zone 0, AEx ia IIC T4  
IS Class I, Division 1, Groups A, B, C, D

GOST-R  
0ExialICT4 IP65 -40° to +60°C

### IS-mA1M-R

ATEX [Group I  
I M1 Ex ia I Ma (-40°C ≤ Ta ≤ +60°C)

May be powered from any certified Zener barrier or galvanic isolator whose output parameters do not exceed:  
Uo: 28VDC Io: 93mA Po: 660mW