

IS-mC1

IS-MINIAlarm



Features

- Input overload and reverse current protection
- End of line resistor certified
- Auto synchronised sound output
- Prismatic lens optimises L.E.D effectiveness
- Available with custom tone configurations and frequencies

Description

The IS-mC1 is a compact combined 100dB(A) alarm sounder and L.E.D. beacon – only one Zener barrier or galvanic isolator required to run both sounder & beacon or alternatively the unit can be operated as individual signals. 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.

Specification

Alarm sounder:	
Nominal output:	100dB(A) @ 1m +/- 3dB - Tone 2* [91dB(A) @ 10ft/3m]
No. of tones:	49 (UKOOA/PFEER compliant)
No. of stages:	3
Volume control:	Max. 100dB(A); Min. 90dB(A) - Tone 2
Effective range:	40m/131ft @ 1KHz
L.E.D. Beacon:	
Light source:	Array of 6 high intensity L.E.D's.
L.E.D. colours:	Red, Amber, Blue, Green & Clear
Flash modes:	Double flash at 2 Hz and 1 Hz
Effective intensity cd:	23cd* - measured ref. to I.E.S.
General:	
Voltage:	16-28vdc via Zener barrier or galvanic isolator
Combined current:	approx: 30mA typical when powered from 24v supply via 28v 3000hm Zener barrier.
Ingress protection:	IP65
Rating:	Continuous
Housing material:	UL94V0 & 5VA FR ABS & PC
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 ²
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-mC1-R/[x]
ATEX / IECEx / FM
II 1G Ex ia IIC T4 Ga (-40°C ≤Ta≤ +60°C)
IS Class I, Division 1, Groups A, B, C, D T4
IS Class I, Zone 0, AEx ia IIC T4 Ta = +60°C
GOST-R
0ExialICT4 IP65 -40° to +60°C
[x]: Lens colour:
A: Amber B: Blue
G: Green R: Red
C: Clear (white LED)
Combined or Sounder only:
May be powered from any certified Zener barrier or galvanic isolator whose output parameters do not exceed :
Uo: 28vdc Io: 93mA Po: 660mW
Beacon only:
May be powered from any certified Zener barrier or galvanic isolator whose output parameters do not exceed :
Uo: 28vdc Io: 660mA Po: 1.2W