DB952IAS

950 Series Integrated Base Sounder With Isolator

General

The DB952IAS is a range of integrated, self monitoring base sounders with integral short-circuit isolator for use on Series 950 and Series 990 systems. They incorporate a base into which a series 950 or 990 detector, or beacon can be fitted. It may also be used with a red (AS952CAP-R) or white (AS952CAP-W) cap for stand-alone use.



Tones

The DB952IAS sounders support multiple tones. A low tone range is useful in areas such as hospitals where a fire alert is initially intended to warn staff only. The sounder may be set to the high range for general use.

In addition to the standard tones in the DB952IAS, a slow whoop tone to Dutch standard NEN2575 is available in the DB952IAS-NEN, as well as a German standard DIN tone version in the DB952IAS-DIN.

Syncronisation

Synchronisation of tones ensures the integrity of the signal—tones from different sounders do not merge into one signal that could be mistaken for a different tone. DB952IAS sounders are synchronised with each other in both ‘alert’ and ‘evacuate’ modes.

Self Test

The acoustic self-test means that the sounder listens to itself when it is switched on. If no sound is detected a fault signal is transmitted when the sounder is polled.

The same self-test feature may also be used during commissioning or periodical maintenance testing. The sounder may simply be activated for at least 5 seconds and the control panel checked for a fault signal. If none is received, the sounder is working properly.

Details

- Two tone ranges 55 to 75 dB and 75 to 91 dB
- Synchronisation of ‘alert’ and ‘evacuate’ tones
- Individual sounder addressing
- Available with built-in isolator
- Acoustic self-test
- Slow whoop option available

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Technical specifications

Electrical

Operating voltage	17 to 28 VDC 5 to 9 V (Protocol pulses)
Current consumption	5 mA @ 24 V (Sounder operated 75 - 91dB) 5 mA @ 24 V (Sounder operated 50 - 75 dB) 1.2 mA @ 24 V (Switch-on surge, <1 s) 200 µA @ 24 V (Quiescent)

Environmental

Operating temperature	-20 to +60°C
Relative humidity	0 to 95% noncondensing
Environment	Indoor
IP rating	IP21D

Regulatory

Certification	EN54-17, EN54-3

Sound output

Maximum at 90°	91db(A)
Maximum to EN54	83dB(A)
Sound pressure level	Tone dependent

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