

AS996I

Apollo Discovery Intelligent Open-Area Sounder/Ind (Red) With Isolator (58000-005)

General

The AS996I is a 990 series, intelligent loop powered open-area sounder/beacon in RED with a built in isolator. It is designed for use in indoor applications. It supports 15 evacuation and 15 alert tones with volume settings that are adjustable from the CIE. A locking mechanism is included to prevent unauthorized removal of the AS996I from its base.

Isolation and Maintenance

The AS996I sounder/beacon is supplied with an isolating base. A yellow LED on the base is illuminated if a loop short circuit is detected. All fault and abnormal conditions such as sounder and/or beacon failures are reported back to the panel for easy fault finding.

Sounder Tone and Volume Support

The AS996I offers a choice of 15 evacuation and 15 alert tones. Two tones may be selected during installation, one for evacuation and one for alert. Volume levels may be selected during commissioning to one of 7 pre-set levels, with output ranging from 60 dB(A) to 100 dB(A). The low volume range is useful in areas such as hospitals where the alert is initially intended to warn staff only. Because tones can be used for other purposes in addition to warning of fire, it makes the AS996I ideal for use in schools etc.

During commissioning the sounder volume can be adjusted on location without disassembly or removal. With the CIE in "setup" mode, the commissioning engineer is able to adjust the volume using a magnetic wand. Once all sounders have been adjusted, "setup" mode on the CIE is cancelled and all sounder volume levels are stored in the sounder.

Beacon

The AS996I incorporates a RED beacon with a flash rate of 1 Hz. The beacon can be separately controlled from the sounder, programmable from the CIE.



Details

- Multiple functions at one location
- Individual control of the sounder and visual indicator
- 15 Tone pairs
- Tones may be used for other purposes than warning of fire
- Soft start option, ideal for hospitals and nursing homes
- Volume and tone settings can be selected from the control panel
- Group and global control for increased response time
- Self-test fault monitoring
- Alarm synchronisation
- Loop powered
- Including loop isolator

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Technical specifications

Electrical

Operating voltage	17 to 28 VDC
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Environmental

Operating temperature	-20 to +60°C
Relative humidity	0 to 95% noncondensing
Environment	Outdoor
IP rating	IP65

Standards & regulation

Certification	EN54-17, EN54-3
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Current consumption @ 24 VDC

Quiescent	350 µA
Switch on surge (<1s)	1.2 mA
Alarm (Sounder/Beacon max. volume)	8.2 mA
Alarm (Sounder only)	5.1 mA
Alarm (Beacon only)	3.1 mA

Sounder frequency

Tone dependant

Sound output (max)

100 dB(A) @ 90° ± 3dB(A) (Tone Dependant)

Flash frequency

1 Hz
