EvacGo

Open Area Sounder VAD

Product Information

The EvacGo open area sounder visual alarm devices (VADs) have been developed as primary or supplementary alarm devices.

A combined notification device, the Sounder VADs may be used to provide both audible and visual alarm in situations where there's a risk that just one would not suffice. For example, where there is a risk that sounders will not be heard, in areas of high background noise such as in a workshop or machine room.

They may also be required where deaf or hearing-impaired persons may be present. The EvacGo open area sounder VADs are approved EN 54-23 Cat. W devices in both the High and Low power settings, and offer 6 EN 54-3 approved volume levels to choose from, as well as one non-approved volume level for specialist applications.



Features

- Adjustable tone and volume (15 tone pairs, seven volume levels)
- Configurable coverage volume, High and Low settings
- Wide angle of visability
- Software defined group addressing with up to 16 group addresses
- Built-in controllable isolator

Standards and Approvals

- EN 54-3:2001 +A1:2002 +A2:2006 - Sounders
- EN 54-3:2014 +A1:2019 - Sounders
- EN 54-17:2005 - Short circuit isolators
- EN 54-23:2010 - Visual alarm devices
- EN IEC 63000:2018 - Hazardous substances
- BS EN 61000-6-3:2007 +A1:2011 - Electromagnetic compatibility
- BS EN 50130-4:2011 +A1:2014 - Electromagnetic compatibility

Order Codes and Options

EVAC-SVAD/RW	Open area sounder VAD (Red body, white flash)
EVAC-SVAD/WW	Open area sounder VAD (White body, white flash)
EVAC-MB/R	Sounder mounting base (Red)
EVAC-MB/W	Sounder mounting base (White)

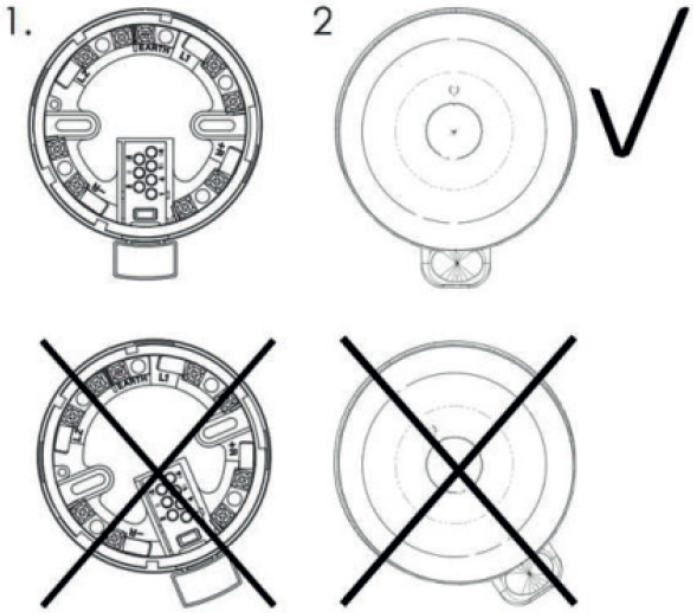
Specification

Supply voltage	17V - 35V dc
Quiescent current	1.2mA
Alarm current, LED on	5.95mA (max volume at 24V)
Alarm current, sounder and VAD on	High coverage: 19mA
	Low coverage: 14.5mA
Flash rate	0.5Hz
Maximum sounder output at 90° at 1m	101dB(A)
Operating temperature	-10°C to +55°C
Storage temperature	-10°C to +55°C
Humidity	0% to 95% RH (No condensation or icing)
IP rating	IP21C
Dimensions	113mm diameter x 65mm deep
Weight	214g
Materials	Housing: White or red flame-retardant polycarbonate
	Terminals: Tin plated stainless steel

Note: All data is supplied subject to change without notice. Specifications are typical at 24V, +25°C and 50% RH unless otherwise stated.

Application

The base must be positioned on the wall, with the mounting base card pointing downwards for correct orientation and coverage.

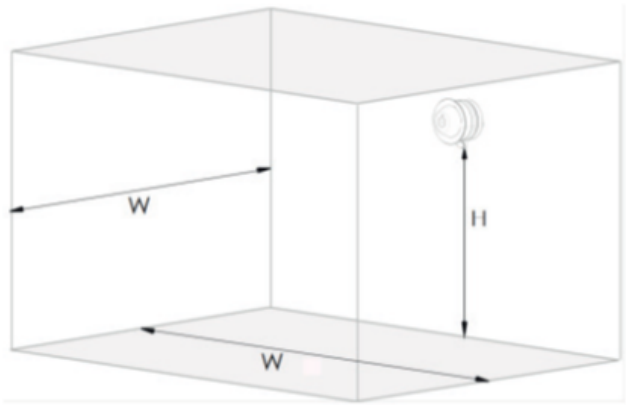


The figure opposite shows the coverage volume for the wall category VAD.

H - The maximum height of the device on the wall in meters with a
maximum value of 3.1 m.

W - The width in metres of the square volume covered when the device is mounted to the wall at required height.

Example - Part No. EVAC-SVAD/WW (W-3.1-10) - coverage cuboid
volume of 3.1 x 10 x 10 = 310 m³



The right tone for the installation

The EvacGo open area sounder VAD offers a choice of 15 evacuation tones. A tone can be selected during commissioning in order to suit local regulations or customs.

Whichever evacuation tone is selected there is a secondary tone which may be used for alerting or warning of a possible evacuation.

The right level of sound

The sounder is set during commissioning to one of seven levels of sound, the highest level being nominally 101 db(A) at 1m.

At less than 60 db(A) the lowest level falls outside the scope of the EN 54 standard. It has been included to provide a very local warning for the use of personnel in particular environments, such as nurse stations in hospitals.

Sounder, visual alarm or both

The EvacGo open area sounder VAD normally switches both sounder and visual alarm on to provide an alert or evacuation signal.

In situations where a flash or a sounder is not permitted/required, it is a simple choice as to whether to switch both sounder and visual alarm together or to switch either as necessary via the control panel.

The VAD coverage setting can be selected within the panel config.

Location specific volume setting

Detectors and sounder indicators are installed in many different types of environment.

When configuring the EvacGo open area sounder VAD devices the adjustment of the volume can be done at the point of installation.

The commissioning engineer simply sets the control panel to ‘Set-up’ and then walks from one device to the next to set the required volume, using a magnetic wand. When all devices have been set the engineer simply presses a button on the control panel which then registers all the individual volume settings.

EMC Directive 2014/30/EU

The EvacGo open area sounder VAD complies with the essential requirements of the EMC Directive 2014/30/EU, provided that it is used as described in this data sheet.

Conformity of the open area sounder VAD with the EMC Directive, does not confer compliance with the directive on any apparatus or systems connected to them.

Construction Products Regulation (EU) 305/2011

The open-area sounder VAD complies with the essential requirements of the Construction Products Regulation (EU) 305/2011.

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