EvacGo

Evacuation Alert Control and Indicating Equipment

BS8629 is the Code of Practice for the design, installation, commissioning and maintenance of evacuation alert systems for use by fire and rescue services in buildings containing flats. Advanced's evacuation alert system has been developed with great care to follow all the recommendations of BS8629. Combining robustness and reliability with speed and simplicity, our evacuation alert system comes in a range of flexible formats with wired, wireless and hybrid options available.

The EvacGo panel is built using our industry-leading MxPro 5 panel technology and delivers proven performance, quality and ease of use. The panel is supplied with 8, 16, 24 or 32 fire fighter evacuation alert areas as standard, and is fully expandable from 1 to 4 loops. The panel includes the latest flash-based microprocessor technology and provides a simple, 'at a glance' overview of which evacuation zones are operating. The panel has a virtual display which enables the maintenance engineer to work remotely.

The panel is suitable for a wide range of site applications from small to large buildings containing flats. It is fully programmable on site, and all programming and servicing can be undertaken on a laptop connected to the EvacGo panel using Advanced's DynamixTools PC programming software.

Outer cabinet: To meet BS8629, the Advanced EvacGo panel has the additional protection of an STS 205-rated high-tensile steel cabinet and should be sited at an appropriate location suitable for fire fighter access. The front of the cabinet is clearly labelled 'For Fire and Rescue Service Only'. The cabinet incorporates a high-security locking mechanism with unique copy-protected keys that are carried by the FRS.

PC software: An extensive suite of user-friendly Windows-based PC software programs has been developed to enhance your experience when using EACIE panels. The suite incorporates a number of different programmes to include configuration, service and maintenance reports, and virtual terminal-type tools to allow the flexibility of the equipment to be fully explored.

Network: Simply adding a network card allows the panel to communicate with any otherpanel or network peripherals. The network operates as a true peer-to-peer system and can be configured in a fault-tolerant network format.

Certification

Vandal-resistant steel cabinet is certified to STS 205 issue 4/BR2

High-security lock is certified to EN 1303:2015



Features

- Modular construction
- Can be customised on site if required via insert label
- Fully expandable from 1 to 4 loops
- Supplied with 8, 16, 24 or 32 fire fighter evacuation alert areas as standard
- Control panel with latest dual flash-based microprocessor technology
- Robust vandal-resistant steel enclosure with unique copy-protected keys
- Suitable for a wide range of site applications
- Virtual screen for simple ease of use and remote programming and servicing
- Fully programmable on site
- Designed to comply with the BS 8629 Code of Practice

Compatibility

EvacGo is fully compatible with MxPro 5 Series CIE.

EvacGo is compatible with Apollo (XP95/Discovery), Hochiki, Argus & AxisEN devices.

Specification

Base technology	Dual flash-based processors with real-time clock, trace diagnostics, programmable languages and character sets.
Protocols (devices/loop)	Apollo/Hochiki (126/127), Argus (240), AxisEN (240)
Number of evac alert zones	Up to 32
Number of loops	Dedicated 1-4 loop control panel
Mains supply	200 - 240v 47-63 Hz AC (+10%, -15% tolerance) 1.4A max
Charger current	2A temperature compensated
Serial ports	1 x on-board RS232 connection for PC communication
USB interface	1 x USB B type connection for PC communication
Programming	PC running Windows tools
Event log	5000 event & diagnostic + 500 fire
Networking	Optional plug-in network card (MXP-509 - fault tolerant)

Outer box specification

Colour	RAL 9006 silver grey
Dimensions H x W x D	700 x 750 x 200
Locking mechanism	Solid steel construction with anti-hacksaw locking bars, patented cylinder system & unique lock
Weight	70 kg

Internal box specification

Colour	RAL 7035
Dimensions H x W x D	475 x 450 x 135
Lock	Standard MxPro CAI Emkay Key
Weight	10 Kg
Battery (min / max)	2 x 12v 4Ahr / 2 x 12v 17Ahr
Cable entry	11 x rear

Applications / limitations

The evacuation panel is supplied with a single loop card only and can be expanded up to 4 loops with the fitting of additional loop driver PCBs.

The evacuation panel is complete with its own power supply and charger, suitable for use with up to 2 x 12V 17 Ahr batteries.

Order Codes and Options

EACIE control panels and peripherals. Please include the order code for the Gerda outer enclosure when ordering either the EvacGo controller or the EvacGo separate battery tray

SP-8629-BX	Gerda outer enclosure meeting security rating STS 205: Issue 7
SP-8629-08	EvacGo controller c/w 1 loop card expandable to 4, and 8 evacuation zones including LED indication.
SP-8629-16	EvacGo controller c/w 1 loop card expandable to 4, and 16 evacuation zones including LED indication.
SP-8629-24	EvacGo controller c/w 1 loop card expandable to 4, and 24 evacuation zones including LED indication.
SP-8629-32	EvacGo controller c/w 1 loop card expandable to 4, and 32 evacuation zones including LED indication.
SP-8629-08/FT	EvacGo controller c/w 1 loop card expandable to 4, designated fault-tolerant network card and 8 evacuation zones including LED indication.
SP-8629-16/FT	EvacGo controller c/w 1 loop card expandable to 4, designated fault-tolerant network card and 16 evacuation zones including LED indication.
SP-8629-24/FT	EvacGo controller c/w 1 loop card expandable to 4, designated fault-tolerant network card and 24 evacuation zones including LED indication.
SP-8629-32/FT	EvacGo controller c/w 1 loop card expandable to 4, designated fault-tolerant network card and 32 evacuation zones including LED indication.
SP-8629-00/FT	EvacGo controller c/w 1 loop card expandable to 4, designated fault-tolerant network card, no display. (SP-8629-BX Gerda enclosure not required)
SP-8629-00/D/FT	EvacGo controller in Deep enclosure c/w 1 loop card expandable to 4, designated fault-tolerant network card, no display. (SP-8629-BX Gerda enclosure not required)
SP-8629-SECBX	EvacGo separate battery tray for mounting in SP-8629-BX Gerda outer enclosure (please include order codes for both parts). Please note – this is only required when the batteries are in a public area, please check before ordering.
MXP-568	EvacGo additional loop card
MXM-546	EvacGo separate battery enclosure (45Ah) - if required
MXP-501	EvacGo remote battery temperature sensor

EACIE sounders and peripherals

AXIS-CWS	Open-area conventional wall sounder – Red (EN54-3)
AXIS-CWS/W	Open-area conventional wall sounder – White (EN54-3)
AXIS-CWSV	Open-area conventional wall sounder beacon – Red (EN54-3 & EN54-23)
AXIS-CWSV/W	Open-area conventional wall sounder beacon – White (EN54-3 & EN54-23)
AXIS-WSM	Addressable sounder interface module (EN54-17)
AXIS-PU	Handheld programming unit
20-VMMC120-ADV	Single relay output module with built-in isolator
20-VMC100-ADV	Monitored output module with built-in isolator
20-VMC120-ADV	Wall Mounting Single Relay Output Module
LVMX100	Short circuit isolator module
20-LVMX100-BX	Single isolator in plastic mounting box
20-DLVMX100-BX	Dual isolators in plastic mounting box
20-BMB100-BX	Plastic mounting box

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EvacGo

Open-Area Conventional Wall Sounder

The EvacGo open-area conventional wall sounder can be used as either a standalone conventional device or as a loop-powered intelligent unit with the addition of our addressable sounder interface module (Axis-WSM).

The device is capable of reproducing 32 tones with a high sound output capability and four volume settings. These can be selected by a DIP switch at the back of the sounder body.

Standard and alternative tones are available for each setting which can be selected via the control panel programming when used with the intelligent interface (Axis-WSM) or wiring connections if used as a conventional standalone unit.

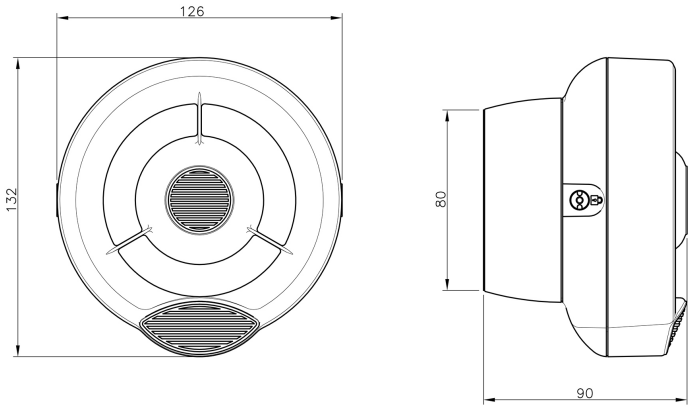
Low current consumption and compact design gives a wide-angle uniform sound distribution providing good audibility in all directions. The sounder is easy to install and incorporates built in short circuit loop isolation.



Features

- Flexible modular design
- Approved for outdoor use to EN54-3 (Type B)
- 32-tone settings
- Wide angle uniform sound distribution
- Weatherproof to IP65
- Easy to install
- High sound-output capability
- 4 adjustable volume settings
- Robust with high reliability
- Available in red (Axis-CWS) or white (Axis-CWS/W)

Dimensions



Standards and Approvals

- EN54-3:2001 +A1:2002 +A2:2006

Specification

Power supply (*)	15 to 40 Vdc
Alarm current consumption (volume set to HIGH and dependent upon tone selected)	5-8 mA
Audible frequency range (dependent upon tone selected)	440 Hz - 2900 Hz
Maximum sound output (volume set to HIGH)	100 dB(A) ±3 dB(A)
Operating temperature range (no icing)	-25°C to +70°C
Maximum humidity (non condensing)	95% RH
Depth (base)	90 mm (35mm)
Diameter	132 mm
Weight (base included)	270 g
IP rating*	21
IP rating (not certified)	65

(*) Independently assessed and certified to IPX5 (not part of the current EN54-3 certification)

Conventional Wall Sounder Volume Range

Specification	Min	Typical	Max	Units	Notes
Numbers of tones	-	32	-	-	
Sound output. HIGH volume	97	100	103	dB(A)	Tone 3
Sound output LOW volume	85	88	91	dB(A)	Tone 3
Operating frequency range	440	-	2900	Hz	

The four volume settings are roughly evenly spread between the Min and Max levels.

Order Codes and Options

AXIS-CWS	Open-area conventional wall sounder - Red
AXIS-CWS/W	Open-area conventional wall sounder - White
AXIS-WSM	Addressable sounder interface module

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Open-Area Conventional Wall Sounder Beacon

The EvacGo open-area conventional wall sounder beacon can be used as either a standalone conventional device or as a loop-powered addressable unit with the addition of an intelligent addressable sounder interface module (Axis-WSM).

The device is capable of reproducing 32 tones with a high sound output capability and four volume settings. These can be selected by a DIP switch at the back of the sounder body.

Standard and alternative tones are available for each setting which can be selected via the control panel programming when used with the intelligent interface (Axis-WSM) or wiring connections if used as a conventional standalone unit.

There is a silent sounder setting if beacon-only use is required. The unit also has a high output LED beacon.

Low current consumption and compact design gives a wide-angle uniform sound distribution providing good audibility in all directions. The sounder is easy to install and incorporates built in short circuit loop isolation.



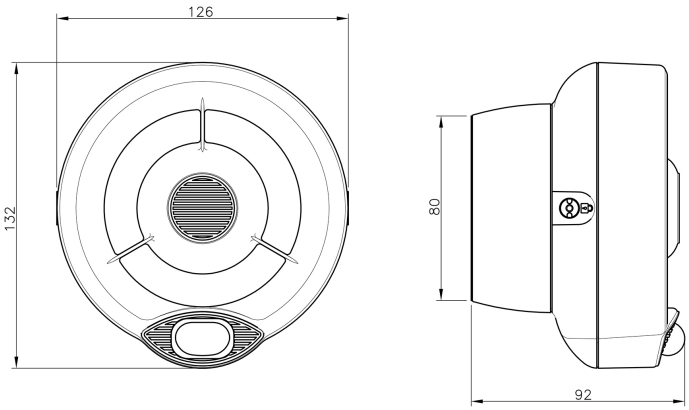
Features

- Flexible modular design
- Approved for outdoor use to EN54-3 (Type B) and EN54-23
- 32-tone settings
- High output LED beacon
- Wide angle uniform sound distribution
- Weatherproof to IP65
- Easy to install
- High sound-output capability
- Silent sounder setting for beacon-only use
- 4 adjustable volume settings
- Robust with high reliability
- Available in red (Axis-CWSV) or white (Axis-CWSV/W)

Standards and Approvals

- EN 54-3:2001+A1:2002+A2:2006
- EN 54-23:2010

Dimensions



Specifications

Power supply(*)	15 to 40 Vdc
Alarm current consumption (volume set to HIGH and dependent upon tone selected)	12 mA - 26 mA
Audible frequency range (dependent upon tone selected)	440 Hz - 2900 Hz
Maximum sound output (volume set to HIGH)	100 dB(A) ± 3 dB(A)
Visual alarm device (VAD) frequency	0.5 Hz
Visual alarm device (VAD) coverage	W 2.5-7 (122.5m³)
Operating temperature range (no icing)	-25°C - +70°C
Maximum humidity (non condensing)	95% RH
Depth (base)	90 mm (35 mm)
Diameter	132 mm
Weight (base included)	290 g
IP rating	21
IP rating (not certified)*	65

(*) Independently assessed and certified to IPX5 (not part of the current EN54-3 certification)

Conventional Wall Sounder Beacon Volume Range

Specification	Min	Typical	Max	Units	Notes
Numbers of tones	-	32	-	-	
Sound output. HIGH volume	97	100	103	dB(A)	Tone 3
Sound output LOW volume	85	88	91	dB(A)	Tone 3
Operating frequency range	440	-	2900	Hz	

The four volume settings are roughly evenly spread between the Max and Min levels.

Order Codes and Options

AXIS-CWSV	Open-Area Wall Sounder Beacon - red
AXIS-CWSV/W	Open-Area Wall Sounder Beacon - white
AXIS-WSM	Addressable sounder interface module

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Intelligent Wall Sounder Interface Module

The Intelligent Sounder Interface Module is designed to allow the use of the Axis-CWS conventional sounder and Axis-CWSV conventional sounder beacon on an EvacGo intelligent loop.

The Axis-WSM module is compatible with intelligent control panels and systems using Axis EN protocol. Easy to install, it incorporates built-in short circuit loop isolation.

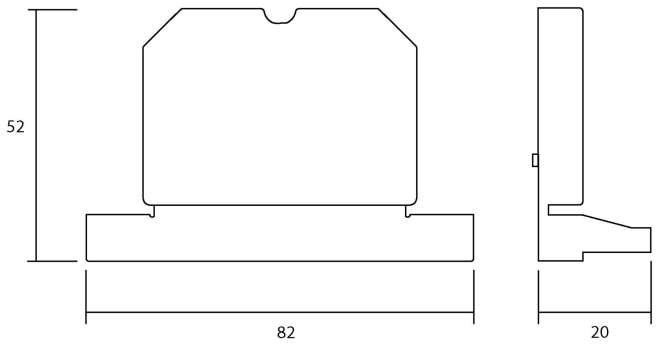
Once installed onto an EvacGo intelligent loop, the device is fully addressable and benefits from an extensive range of intelligent control and monitoring functionality.



Features

- Flexible modular design
- Easy to install
- Manual and auto addressing options
- Built-in short circuit isolators
- Up to 32 tones as standard
- Optional microphone self-test facility
- Addressing using the device programming tool or auto addressing capability via the fire control panel
- Fits EvacGo modular wall sounders and sounder beacons

Dimensions



Standards and Approvals

- EN54-17:2005 Short Circuit Isolators
- EN54-18:2005 Input / Output devices

Specifications

Power supply voltage range	15 Vdc - 40 Vdc
Maximum alarm current consumption	5-8 mA with sounder / 12-28 mA with beacon
Operating temperature range	-10°C to +55°C
Weight including back box	27 g
Max tolerated humidity	85% RH (non-condensing)
IP rating	IP20

Order Codes and Options

Axis-WSM	Addressable sounder interface module
Axis-CWS or Axis-CWS/W	Open area conventional wall sounder - Red or White
Axis-CWSV or Axis-CWSV/W	open area conventional wall sounder beacon - Red or White

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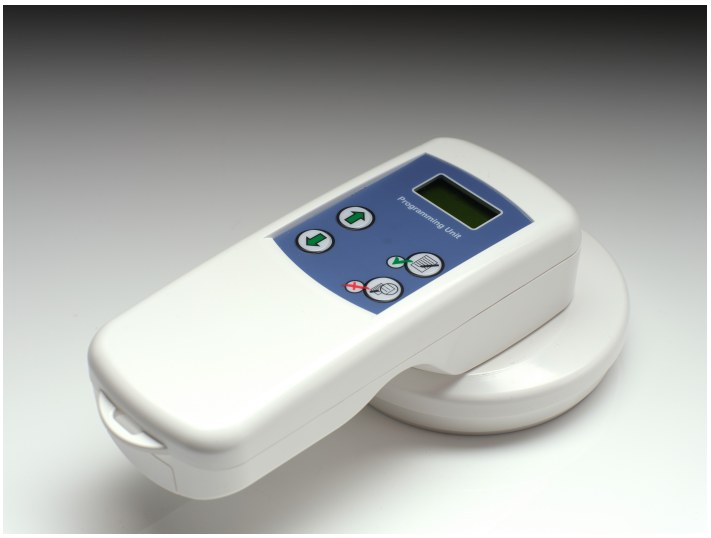
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Handheld Programming Unit

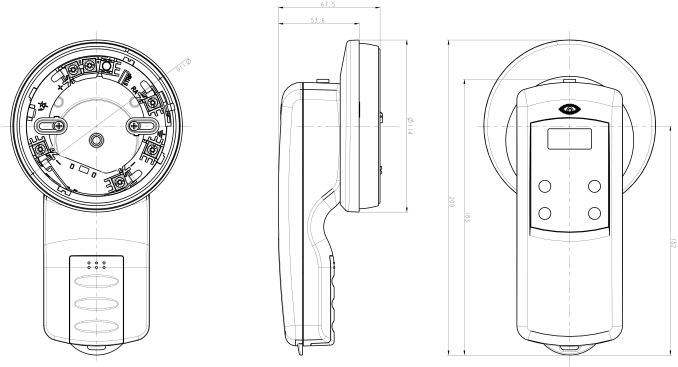
The handheld programming unit allows you to set and read all the programmable variables from the device range including the loop address. It also enables you to read the analogue value from a device or change the heat detector setting from rate of rise to high temperature.

When used with the connection lead you can program/read in information from call points and sounders add loop addresses or program one of the sounder's 32 operating modes.



Features

- Easy to use
- Clear device display
- Auto shut-off to save battery
- Displays the sensor analogue values
- Includes the programming cables for backwards compatibility.



Specification

Power supply battery specifications	6LR61 type (9V)
Dimensions	88mm x 88mm x 61mm
Operating temperature range (no icing)	-10°C to +55°C
Maximum humidity (no condensing)	95% RH
Weight	200g

Order Codes and Options

Axis-PU:	Handheld Programming Unit

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Loop Driver Card

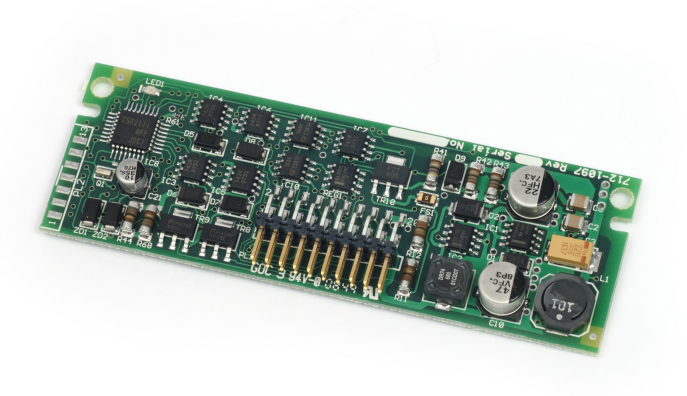
The Loop driver card can be used with the EvacGo panel. It provides control and connection to loop devices such as evacuation alert sounders and isolator modules.

The Loop driver circuit should be installed as a continuous loop with isolator modules such that a short circuit condition does not effect the operation of evacuation alert area zones/flats.

The loop driver circuit on the base card is equipped with in-built isolators to take care of short circuit conditions on the wiring between the panel and the first device on the loop.

The loop circuits support monitoring with an Active EOL device (embedded on the loop driver) to ensure circuit integrity in accordance with the requirements of EN54- 13.

Maximum recommended cable loop length is up to 1500 to 2000 metres. Take care that the voltage drop at full load is within the device rating.



Features

- Use with EvacGo panels
- Compatible with Argus Vega protocol
- In-built isolators
- 500 mA as standard
- Up to 2 km loop length
- Latest in micro-processor technology

Specification

Power supply	24V DC
Protocols	Argus Vega
Devices per loop (maximum)	240 detector/call points per loop
Loop current	500 mA max

Order Codes and Options

Mxp-568:	Loop Driver Card

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Single Relay Output Module with Built-in Isolator

The single relay output module is loop-powered, designed around a fully digital protocol and provides form C changeover contacts for control of equipment for DDA compliance such as vibrating pillows..

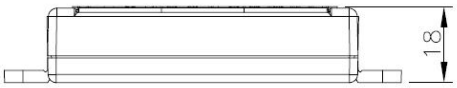
The output channel is a normally de-energised relay switched on by a command from the control panel.

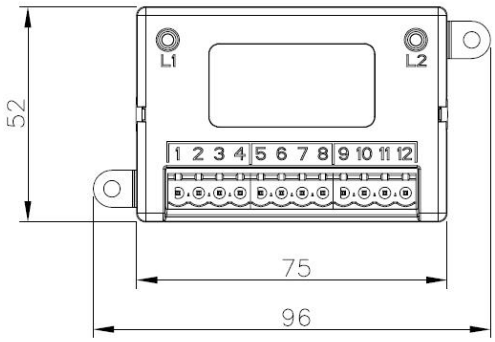
The unit provides a fast and secure response, and incorporates a bidirectional short circuit isolator.

Connections are made using plug-in terminal blocks which will accept conductors up to 2.5mm².

The unit can be mounted within an electrical box or enclosure.







Features

- Short circuit isolators in each device to the requirements of EN54-17
- Auto addressing capability (by the control panel) or manually using a hand held programmer.
- Auto-addressing capability (by the control panel)
- Digital checking of double address
- Line quality information
- Bicolour (red/green) LED driven by the control panel

Standards and Approvals

- EN54-17:2005
- EN54-18:2005

Specification

Power supply	15-40 Vdc
Maximum current consumption	6 mA
Operating temperature range	-30°C to +70°C
Humidity (non condensing)	85% RH
Relay switching	2A / 30 Vdc
Dimensions H x W x D mm	52 x 75 x 28
Weight	180g
IP rating	21C

Order Codes and Options

20-VMMC120-ADV:	Single relay output module with built-in isolator

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Monitored Output Module with Built-in Isolator

The single output module is loop powered, designed around a fully digital protocol and provides control by activating equipment for DDA compliance such as vibrating pillows. The output channel is monitored and will detect open and short circuit conditions.

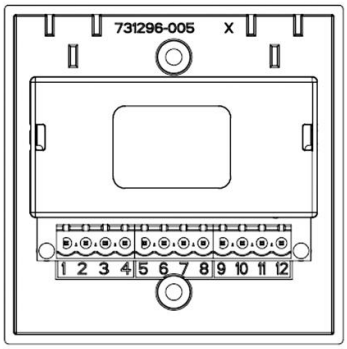
The unit provides a fast and secure response, and incorporates a bidirectional short circuit isolator. Connections are made using plug-in terminal blocks which will accept conductors up to 2.5mm².

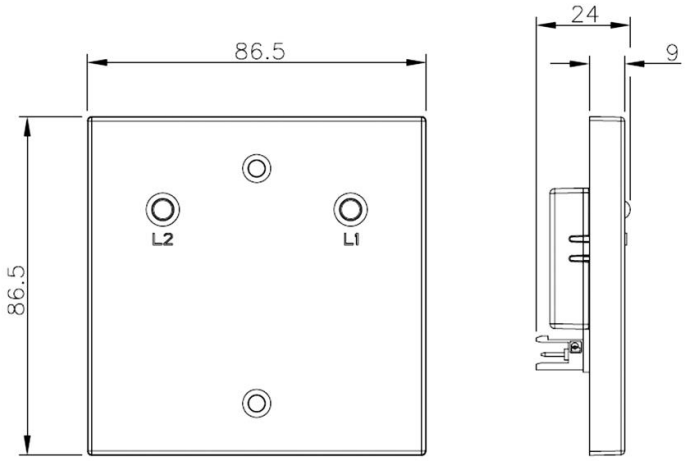
The unit is supplied fixed to a plate which is suitable for wall mounting. Standard 25mm or deep 47mm mounting boxes are available.



Features

- Short circuit isolators in each device to the requirements of EN54- 17
- Auto addressing capability (by the control panel) or manually using a hand held programmer.
- Digital checking of double address
- Line quality information
- Bicolour (red green) LED driven by the control panel





Standards and Approvals

- EN54-17:2005
- EN54-18:2005

Specification

Power Supply	15 - 40 Vdc
Maximum alarm Current Consumption	6 mA
Operating Temperature Range	-30°C to +70°C
Relay Switching	2 A / 30 Vdc
Humidity (non condensing)	85% RH
Dimensions H x W x D mm	87 x 87 x 32
Weight	200 g
IP Rating	21C

Order Codes and Options

20-VMC100-ADV:	Monitored output module with built-in isolator

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Wall Mounting Single Relay Output Module

The single channel output modules are loop-powered, designed around a fully digital protocol and provide form C changeover contacts for activating equipment for DDA compliance such as vibrating pillows.

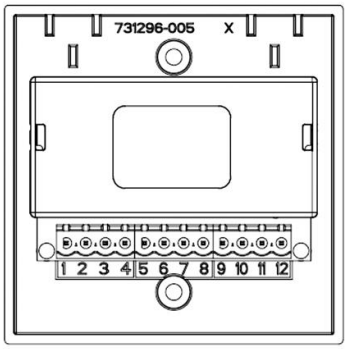
The output channel is a normally de-energised relay switched on by a command from the control panel.

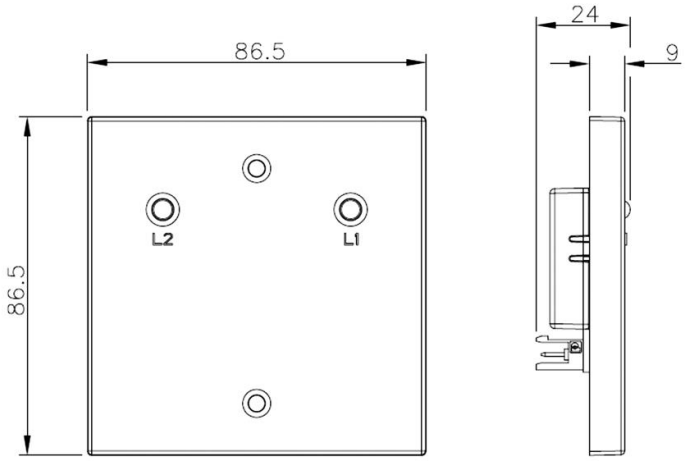
The unit provides a fast and secure response, and incorporates a bidirectional short circuit isolator.

Connections are made using plug-in terminal blocks which will accept conductors up to 2.5mm².

The unit is supplied fixed to a plate which is suitable for wall mounting with a choice of standard 25 mm or deep 47 mm mounting boxes available.







Features

- Short circuit isolators in each device to the requirements of EN54-17
- Auto-addressing capability (by the control panel) or manually using a hand held programmer.
- Digital checking of double address
- Line quality information
- Bicolour (red/green) LED driven by the control panel

Standards and Approvals

- EN54-17:2005
- EN54-18:2005

Specification

Power supply	15 - 40 Vdc
Maximum alarm current consumption	6 mA
Relay switching	2 A / 30 Vdc
Operating temperature range	-30°C to +70°C
Humidity (non condensing)	85% RH
Dimensions H x W x D mm	87 x 87 x 32
Weight	200 g
IP rating	21C

Order Codes and Options

20-VMC120-ADV:	Wall Mounting Single Relay Output Module

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Single Boxed Isolator Module

The single boxed isolator module is designed to provide protection against short circuits and faults in flats and apartments, in single floor evacuation zones.

The unit operates with the EvacGo control panel to provide high rates of information exchange in combination with particular features that ensure fast and secure responses.



Features

- Designed to operate with EvacGo control panels
- Passive device, does not need to be addressed
- Isolates the adjacent loop section where the short circuit occurred
- All functions of devices situated on opposite loop's section of the module are unaffected
- Restores power to the isolated loop section when short circuit is removed
- Designed to comply with the BS 8629 Code of Practice

Standards & Approvals

- EN54-17:2005

Specifications

Loop Voltage Range	15 - 40 VDC
Quiescent Current Consumption	90 µA at 24 VDC
Operating Temperature Range	-30 to +70°C
Humidity (non condensing)	5% to 85% RH
Dimensions L x H x D (w/o brackets)	210 x 170 x 66 mm
Weight	460g
Applicable wire gauge range	0.5 - 2.5mm^2

Order Codes and Options

20-LVMX100-BX	Single Boxed Isolator Module

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EvacGo

Dual Boxed Isolator Module

The dual boxed isolator module is designed to provide protection against short circuits and faults in flats and apartments.

The unit operates with the EvacGo control panel to provide high rates of information exchange in combination with particular features that ensure fast and secure responses.



Features

- Designed to operate with EvacGo control panels
- Passive device, does not need to be addressed
- Isolates the adjacent loop section where the short circuit occurred
- All functions of devices situated on opposite loop's section of the module are unaffected
- Restores power to the isolated loop section when short circuit is removed
- Designed to comply with the BS 8629 Code of Practice

Standards & Approvals

- EN54-17:2005

Specifications

Loop Voltage Range	15 - 40 VDC
Quiescent Current Consumption	90 µA at 24 VDC
Operating Temperature Range	-30 to +70°C
Humidity (non condensing)	5% to 85% RH
Dimensions L x H x D (w/o brackets)	210 x 170 x 66 mm
Weight	500g
Applicable wire gauge range	0.5 - 2.5mm^2

Order Codes and Options

20-DLVMX100-BX	Dual Boxed Isolator Module

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EvacGo

Short Circuit Isolator Module

The standalone isolator module provides short circuit isolation for analogue-intelligent loops.



Features

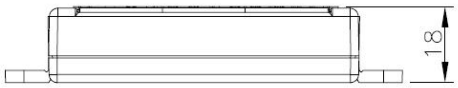
- Designed to operate with EvacGo control panels
- Provides short circuit isolation for analogue-intelligent loops
- Passive device, does not need to be addressed
- Isolates the adjacent loop section where the short circuit occurs
- Restores power to the isolated loop section when short circuit is removed
- Designed to comply with the BS 8629 Code of Practice

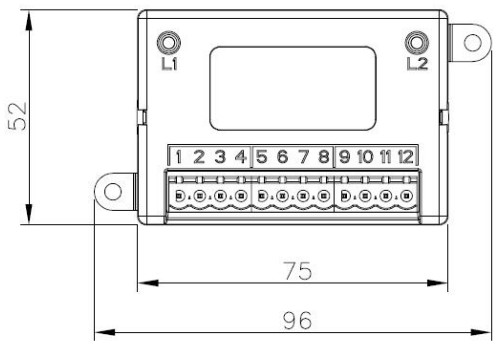
Standards and Approvals

- EN54-17:2005

Specifications

Loop Voltage Range	15 - 40 Vdc
Quiescent Current Consumption	90 µA
Operating Temperature Range	-30°C to +70°C
Humidity (non condensing)	5% to 85% RH
Dimensions L x H x D (w/o brackets)	75 x 52 x 18 mm
Weight	40g
IP rating	21C





Order Codes and Options

LVMX100	Short Circuit Isolator Module

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EvacGo

Standalone Isolator Module

The standalone isolator module provides short circuit isolation for analogue-intelligent loops.

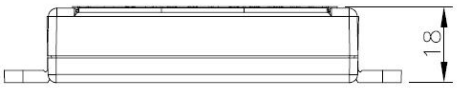


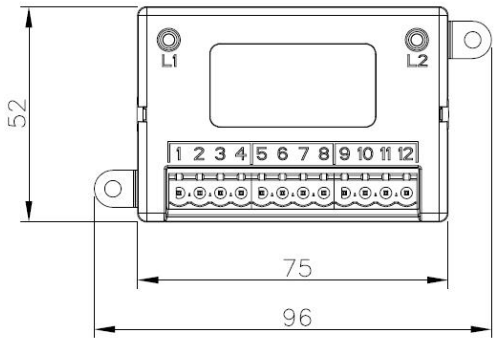
Features

- Designed to operate with Axis EN control panels
- Provides short circuit isolation for analogue-intelligent loops
- Passive device, does not need to be addressed
- Isolates the adjacent loop section where the short circuit occurres
- Restores power to the isolated loop section when short circuit is removed
- Complies with EN 54-17

Standards and Approvals

- EN54-17:2005





Specifications

Loop Voltage Range	15 - 40 Vdc
Quiescent Current Consumption	90 µA
Operating Temperature Range	-30°C to +70°C
Humidity (non condensing)	5% to 85% RH
Dimensions L x H x D (w/o brackets)	75 x 52 x 28 mm
Weight	40g
IP rating	21C

Order Codes and Options

20-LVM100-ADV	Standalone Isolator Module

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EvacGo

Open Area Sounder

Product Information

The EvacGo open area sounder is designed for use in open-areas and can be connected to any Apollo XP95 or Discovery system.

The EvacGo open area sounder includes features such as group and individual control, status reporting and offers 6 EN 54-3 approved volume levels to choose from, as well as one non-approved volume level for specialist applications, all configured through the EvacGo control panel.



Features

- Adjustable tone and volume (15 tone pairs, seven volume levels)
- Software defined group addressing with up to 16 group addresses
- Alarm switching by individual device, by group address or of all individual devices on the loop
- Built-in controllable isolator
- Set-up and testing of devices at point of installation
- Unique acoustic self test

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 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-SNDR/R	Open area sounder (Red)
EVAC-SNDR/W	Open area sounder (White)
EVAC-MB/R	Sounder mounting base (Red)
EVAC-MB/W	Sounder mounting base (White)

Specification

Supply voltage	17V - 35V dc
Quiescent current	890µA
Alarm current, LED on	5.95mA (max volume at 24V)
Alarm current at each volume	Volume 7: 5.95mA
	Volume 6: 5.20mA
	Volume 5: 4.50mA
	Volume 4: 3.75mA
	Volume 3: 3.10mA
	Volume 2: 2.35mA
	Volume 1: 1.65mA (Not an EN 54-3 approved volume level)
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	178g
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.

The right tone for the installation

The EvacGo open area sounder offers a choice of 15 evacuation tones, including the standard Apollo evacuation tone. A tone is 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.

Location specific volume setting

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

When configuring the EvacGo open area sounder 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 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 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 Intelligent Open-Area Sounder complies with the essential requirements of the Construction Products Regulation (EU) 305/2011.

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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 and can be connected to Apollo Discovery and XP95 systems.

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)

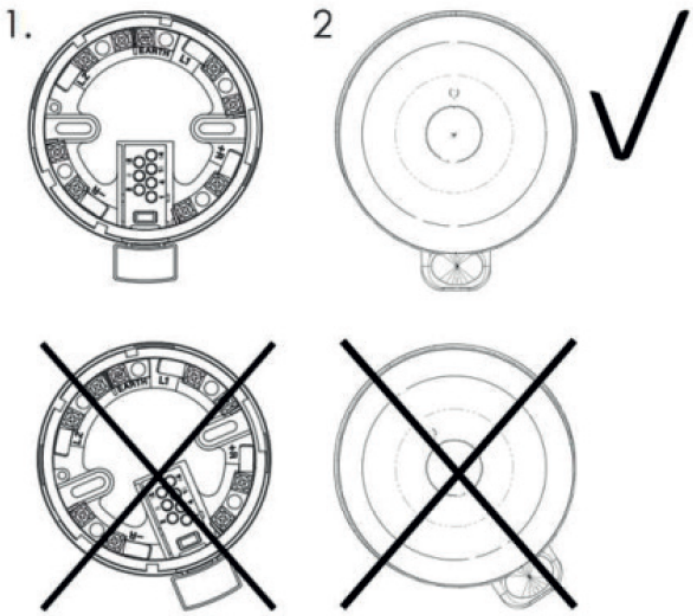
Specification

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.

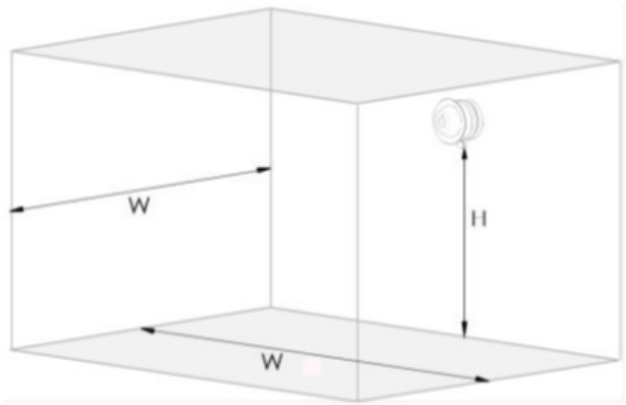
Application

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



Accessory part 45681-797 can be used when mounting with BESA
Boxes to ensure correct alignment.
Figure 2 shows the coverage volume for the wall category VAD with an
example calculation.
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. SA5501-550 (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, including the standard Apollo evacuation tone. A tone is 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. If being used in Apollo XP95 mode, follow the DIL switch assignment guidance in the Installation Guide for VAD coverage settings, Volume and Tone selection, and Group Addressing.

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

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EvacGo

Isolator

Product Information

The Isolator is placed at intervals on the loop and ensures that, in the case of a short circuit, only the section between the isolators will be affected. When the short circuit is removed, the isolators automatically restore power and data to the isolated section.

The Isolator can only be used with the isolator base and will not fit a standard addressable base.



Features

- Detects wiring short circuits using patented technology
- Minimises disruption from short circuits
- Automatic de-isolation on short-circuit removal
- Up to 20 detectors (or equivalent) may be installed between isolators

Standards and Approvals

- EN 54-3:2001 +A1:2002 +A2:2006 - Sounders
- EN 54-3:2014 +A1:2019 - Sounders
- EN 54-17:2005 +AC:2007 - Short circuit isolators
- 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-ISO	Isolator (Requires EVAC-ISO/MB)
EVAC-ISO/MB	Isolator mounting base (for EVAC-ISO)

Specification

Supply voltage	17V - 28V dc
Modulation voltage	5V - 9V peak to peak
Quiescent current	35µA
Surge current	0mA
Maximum current drawn	8.5mA
Maximum line impedance	50Ω
Operating temperature	-30°C to +80°C
Humidity	10% to 93% RH (No condensation or icing)
Dimensions	100mm diameter x 3.5mm deep
Materials	White flame-retardant polycarbonate

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

EMC Directive 2014/30/EU

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EvacGo

Sounder Mounting Base

Product Information

The sounder mounting base has a wide interior diameter for ease of access to cables and terminals.

The ‘E-Z Fit’ feature allows you to fit the base screws, place the XPERT 8 mounting base over the screws, slide it into place and tighten the screws. The detector requires a clockwise rotation into the base for fitting.

Additionally the detector can be locked into the base for increased security, by a grubscrew using a 1.5mm hexagonal driver.

The XPERT 8 card supplied with the base, has pre-punched pips to remove to set the address.



Features

- Compatible with:
  - EVAC-SNDR/R
  - EVAC-SNDR/W
  - EVAC-SVAD/RW
  - EVAC-SVAD/WW
- Isolated wiper - maintains loop connectivity during temporary removal of devices
- Supplied with XPERT 8 card
- ‘E-Z Fit’ allows for simple mounting of the detector base after wiring
- Base mark allows for LED detector alignment

Standards and Approvals

- 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
- EN 15804:2012 +A2:2019 - Environmental product declaration

Order Codes and Options

EVAC-MB/W	Sounder mounting base (White)
EVAC-MB/R	Sounder mounting base (Red)

Specification

Dimensions	100mm diameter x 20mm deep	
Weight	61g	
Materials	Base:	White flame-retardant polycarbonate
	Terminals:	Nickle 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.

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EvacGo

Sounder Base

Product Information

The EvacGo sounder base includes features such as group, global and individual control, status reporting and selectable tone and volume settings, all configured through the EvacGo control panel

The EvacGo sounder base requires a base cover (sold separately).



Features

- Simple installation using an XPERT 8 base
- Adjustable tone and volume (15 tone pairs, 7 volume settings)
- Software defined group addressing with up to 16 group addresses
- Built-in isolator (when used with XPERT 8 Base)
- Unique acoustic self test
- Set-up and testing of device at point of installation

Standards and Approvals

- EN 54-3:2001 +A1:2002 +A2:2006 - Sounders
- EN 54-17:2005 - Short circuit isolators
- 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-SNDR/B	Sounder base (Requires EVAC-MB/W & EVAC-BC/W)
EVAC-MB/W	Sounder mounting base (White)
EVAC-BC/W	Base cover (White)

Specification

Supply voltage	17V - 35V dc
Quiescent current	890µA
Alarm current, LED on	5.95mA (max volume at 24V)
Alarm current at each volume	Volume 7: 5.95mA
	Volume 6: 5.20mA
	Volume 5: 4.50mA
	Volume 4: 3.75mA
	Volume 3: 3.10mA
	Volume 2: 2.35mA
	Volume 1: 1.65mA (Not an EN 54-3 approved volume level)
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	178g
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.

The right tone for the installation

The EvacGo sounder base offers a choice of 15 evacuation tones, including the standard Apollo evacuation tone. A tone is 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.

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.

The right level of sound

The sounder is set during commissioning to one of seven levels of sound, the highest level being nominally 95 dB(A) at 1m.

Construction Products Regulation (EU) 305/2011

The Intelligent Open-Area Sounder complies with the essential requirements of the Construction Products Regulation (EU) 305/2011.

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.

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EvacGo

Single Input/Output Module (Boxed)

Product Information

The EvacGo single input/output module provides supervision of one or more normally open contacts connected to a single pair of cables and a set of changeover relay output contacts.



Features

- Improved design for ease of wiring meaning faster installation
- Address range 1 - 126
- Failsafe mode (meets BS 7273-4 requirements)

Standards and Approvals

- EN 54-17:2005 - Short circuit isolators
- EN 54-18:2005 - Input/output 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

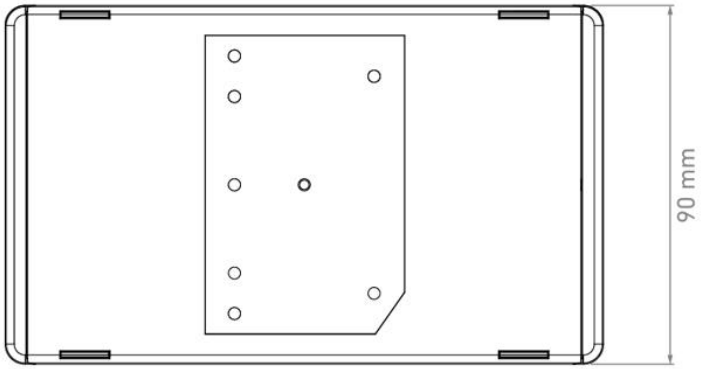
EVAC-SIO	Single input/output module (Boxed)

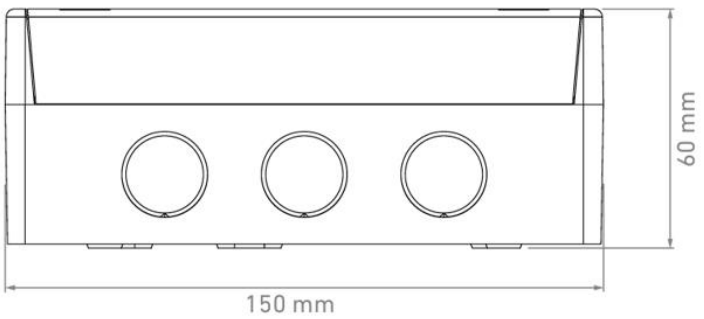
Specification

Supply voltage	17V - 35V dc
Quiescent current	500µA
Maximum current, LEDs on	3.5mA
Maximum current, LEDs disabled	500µA
Operating temperature	-40°C to +70°C
Storage temperature	-10°C to +55°C
Humidity	0% to 95% RH (No condensation or icing)
IP rating	IP52
Dimensions	60mm height x 150mm width x 90mm depth
Weight	244g

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

Dimensions





Status Indicators

Legend	LED Status	Description
RLY	Continuous red	Relay active
RLY	Continuous yellow	Relay fault
Poll/ISO	Flashing green	Polling LED
Poll/ISO	Continuous yellow	Isolator LED
I/P	Continuous yellow	Input fault
I/P	Continuous red	Input active

Mechanical Construction

The EvacGo single input/output module is available in the new faceplate style enclosure. This can be mounted with the supplied back-box for surface mounting or flush mounted using a UK double gang, flush mounting back-box of minimum depth 30mm.

Construction Products Regulation (EU) 305/2011

The Intelligent Open-Area Sounder complies with the essential requirements of the Construction Products Regulation (EU) 305/2011.

Failsafe

In Failsafe mode the EvacGo single input/output module will activate the on-board relay output without being commanded by the control panel on loss of loop or protocol loss.

Failsafe mode is selected via a DIL switch and indicated with an analogue value of 17.

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.

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