

LOOP POWERED ANALOGUE ADDRESSABLE SOUNDER



Natural choice, many applications

The 40000 range is the latest technology from VELOX. Fully approved, simple to install and easy to program, the VELOX loop powered devices are the preferred choice for many applications. Controlled evacuations are achieved by a choice of programmable tones and volume control.

The 40000 range of sounders allows the user to choose between the standard backbox, to state of the art backbox with flashers. These flashers will comply to EN54 part 23 the new regulations for flashing devices.

Leading edge technology

The new VELOX 40000 range of sounders are the leading technology in alarm systems. Fully microprocessor controlled, allowing different tone selections, and with easy to control volume to achieve the required dBA.

The microprocessor is not only responsible for the communication with the fire alarm control panel, it is also controlling the synchronization signal allowing fully synchronized sounder output.

Cost effective installation is an added benefit

Subject to the loop load calculations, up to 80 sounders or 40 sounder with flashing backbox can be connected on the same loop using 1.5mm²

Cable. All the devices are powered from the same loop without the need for additional cables of power supplies.

This exceptional feature reduces the system cost dramatically and makes the installation faster and easier to achieve.

Features

- LPCB approved to EN 54-3 and EN54-17
- Connected and powered from the same loop
- Automatic & Manual Addressing features
- Inbuilt short circuit isolator
- High dB output up to 100dBA @1m
- Programmable tones & volume
- Additional Flasher Base fully EN54-23 compliant

Zero Downtime

Each sounder on the VELOX loop is equipped with in-built short circuit isolator, in case of a single fault; no device shall be lost on the loop.

This not only provides higher reliability to the performance but also facilitates easy installation to comply with the latest standards and regulations.

Five year warranty

VELOX clients enjoy a five year warrantee on all the VELOX devices. An extra added advantage when installing the VELOX range of products.

Approval & Compliance with standards

The entire VELOX system confirms to BS 5839 part 1 and EN54 standards.

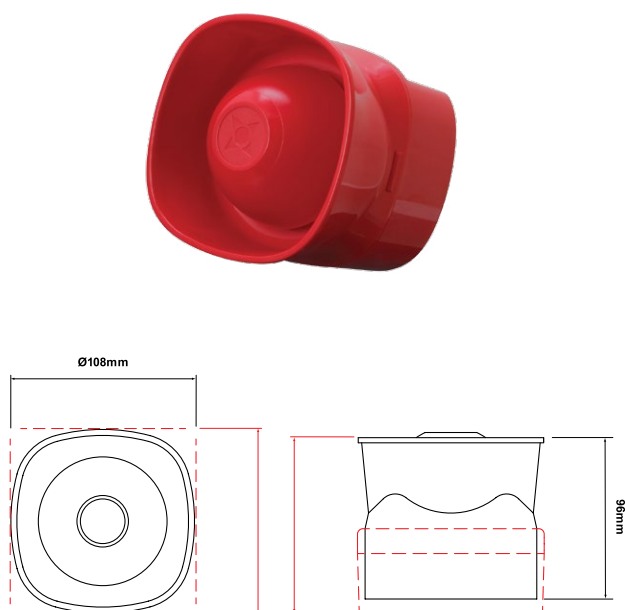
The entire range of VELOX intelligent Sounders are LPCB approved to EN54-3 and EN54-17 standards. This confirms enhanced reliability and precision performance.

Commissioning is never easier

VELOX wants to make it easy to the installer. Dip-switches, rotary switches, barcode scanners or other difficult methods of programming are not required to address these devices.

Automatic addressing is an added benefit to the many others of VELOX technology. The fire alarm control panel addresses each device in a sequential manner, and makes sure that no duplicate addresses are allowed. Furthermore, when required, it is possible to assign an address in a non-sequential fashion by manually programming via the VELOX programming tool.

Dimensions 40300



40300 Intelligent addressable loop powered wall mounted sounder

Physical construction and assembly

The VELOX range of sounders are constructed from high impact fire retardant Red ABS.

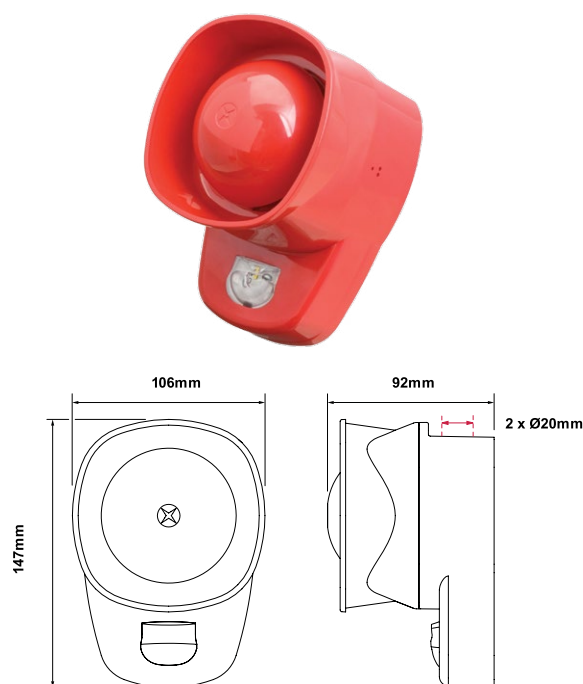
The lockable base ensures complying to EN54 part 3 and part 23 regulations. The entire sound output is designed via a re-entrant horn to insure high sound amplification, yet still compact design.

Flasher backbox, simple exchange

VELOX flasher base innovation, allows the user to switch between Sounder or Sounder with flasher by simply ex- changing the back box. This means, where sounders are used in the past, simply switch the standard back box with the new Flasher Base back box, and you will get a compliant EN54 Part 23 flasher.

The new flasher base is capable of covering a room of 7.5m at installed height of 2.4m, with maximum coverage volume of 135m³. The new VELOX technology consumes only 10mA when in operation both Sounder and Flasher.

Dimensions 40300-FB



40300-FB* Intelligent addressable loop powered flasher, fully EN54-23 compliant.

Technical Specifications

Item	Specification Details	
	40300	40300-H
Standards	EN 54-3: 2001 + A1: 2002 + A2: 2006 EN 54-17: 2005	
Approval	0832-CPR-F0049	0832-CPR-F0050
Fault Protection	Inbuilt Isolator	
Alarm Tones:	Dual tone: 990Hz and 650Hz, 2Hz(3sec) Pulsed tone: 990Hz, 2Hz Continuous tone : 990Hz, steady	Dutch fire tone: 500 to 1200 Hz 3sec sweep sweep DIN tone: 1200 to 500 Hz at 1Hz Continuous tone: Bs fire tone 990Hz, steady
Alarm current	5-7 mA (at 24 VDC) 10-30mA (at 24VDC) with the flasher backbox	6-11 mA (at 24 VDC) 11-31mA (at 24VDC) when using with the Sounder Flasher backbox
Connection on the loop	Loop Powered	
No of devices per loop	up to 80 sounders per loop up to 40 Sounder / Flasher per loop	
Output Tones	3 programmable tones	
Power Supply	19 to 30V	
Operating Temperature Range	-10°C to +55°C	
Humidity (no condensation)	95% RH	
Sound Output	100 dBA @ 1m	
Volume Control	20dB	
Ingress Protection	IP 21	
Weight	0.21Kg	
Construction	Red ABS	
Color	Standard Red	
Dimensions H x W x D mm	108 x 109 x 96 (Sounder) 147 x 106 x 92 (Sounder with Flasher Base)	

Order Codes

Part No.	Description
40300	Intelligent addressable loop powered wall mounted sounder
40300-H	Intelligent Addressable loop Powered Wall Mounted Sounder with Slow Whoop Red
40300-FB*	Intelligent addressable loop powered flasher, fully EN54-23 compliant.

* This part number must be ordered with the 40300 or 40300-H Sounders.

As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice
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ATEIS Middle East FZCO.

LIU No.11 Dubai Silicon Oasis
P.O. Box 293640 Dubai United Arab Emirates.
Tel. +971 (4) 3262730 - Fax. +971 (4) 3262731
info@ateis.ae, www.ateis.ae, www.velox.ae