VELOXVITA-6100

Analogue Addressable 4G
Fire Detection and Alarm Control Panel

New Era of Fire Alarm Detection

VELOX VITA is marking a new era of innovation in fire detection and alarm system technology. Fully integrated with the VELOX range of devices and protocol, it surpasses the performance of any traditional addressable panels in the market by far. Based on state of the art 32-bit microprocessor technology, the VELOX VITA can communicate swiftly over a 2Km loop length, fully loaded with 240 loop devices. The touch screen user interface enhances the user's experience by making navigation through menus, programming and response times swifter, easier and more effective. VELOX VITA is not just a user interface; it is the graphical representation of commands, functions, and important information on the Fire Alarm Control Panel. All the commands and information are presented in a choice of four major colours. All the devices, zones, commands are presented using simple graphical pictures, which simplifies the ease of use. Additional peace-of-mind comes through the panel's four levels of user passwords. These ensure that only qualified people can access and make changes to the system making it fully compliant with the EN54 part 2 requirements.

Main Features

• 32-bit microprocessor addressable control panel.

• 240 devices per 2Km loop length

• Unlimited number of panels can be monitored via 4G/TCPIP

• Fully supported by VELOXCloud monitoring platform

• Manual addressing using hand-held programmer

• Auto learn features

• Clear graphical presentation of commands and device status

• Up to 192 Logic Functions between devices, and panels.

• Loop can be configurable as open or closed.

• Customizable Graphic touch screen display (480x272 TFT 4.3")

• Aesthetically pleasing coloured LED panel lighting

• Loaded with ten languages, including Arabic, English, and Turkish

• Fully EN54 part 2 & 4 Certified.

• Five year guarantee

VELOX

Language Friendly Innovation

With VELOX VITA the user has a bundle of 10 languages to choose from, even the most difficult characters displayed on the advanced touch panel. Ease of communication is the main mission of VELOX research and development team, making communication with the user much a simpler task.

Advanced Architecture, means low-cost installations

The Single loop in-bulit in the VELOX VITA panel can accommodate up to 240 VELOX devices in any combination. The panel utilises the robust VELOX protocol that can extend up to 2000m using 1.5mm² fire rated cables. One loop can support all VELOX devices with isolators allowing ease of finding fault and protecting the other devices in case of a single failure.

Advanced Software Features

The VELOX VITA support up to 192 zones, each zone can be a collection of different devices based on the cause and effect programming. The new era panel as well can support up to 192 logical functions "AND, OR, NOR, XOR" between the different devices.

This advanced feature can make programming of the most difficult cause and effect an easy task. The firmware can support customizable logo, colour, and multicoloured side LEDs allowing the panel to fit the user's taste in aesthetics.

Easy to program

The VELOX VITA addresses all the devices electronically. No dip-switches, or rotary switches, or bar-code scanning is required. This feature not only makes the programming faster and easier, it also can provide a safe-addressing topology to the devices on the loop. All sounder tones, flasher speeds, day and night sensitivity settings, holiday setting, automatic commissioning test, unlimited time delays, alarm duration, pre-alarm commissioning, double knock events, special event linked programs, to name few of this powerful commissioning capability.

Maintenance is now easy

Effective maintenance, is in fact, the most important function of after sales service that VELOX strives to provide to its clients. Now detector alerts appear in a graphical, colourful presentation rather than written format. A White detector means clean; Green means some dirt is identified, Yellow means an increased the level of dirt, and finally Red means replace the detector. While the VELOX detectors are already equipped with drift compensation and patented double dust trap; easy to identify maintenance support is the key feature of VELOX VITA. In addition, all the other main functions such as disabled devices will appear in the much easier to understand graphical presentation. Finally, over 850 events storage, will make the panel ready to accommodate a lengthy history of events for the user to scroll between.

VELOX CLOUD new era of commissioning

With VELOX CLOUD, the commissioning now is more innovative. The panel has different modes of programming capability, such as USB import, and direct programming from the touch screen; VELOX innovated CLOUD based programming, allowing the engineer to program the panel over the cloud saving time and visits to site.

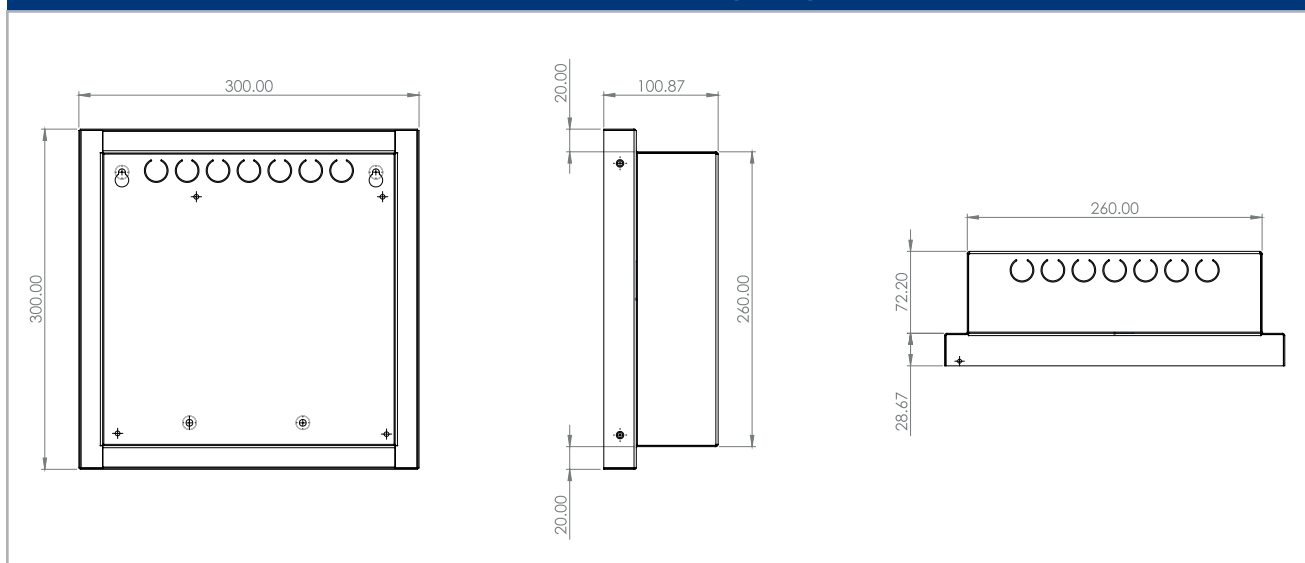## Wireless Network with VELOX CLOUD

All the panels by VELOX, including the VELOX VITA are wireless ready. Simply adding the 4G or TCPIP modules allows the status of the panels to be monitored, wherever they are in the world. The Velox Cloud monitoring platform gives full information on the status of devices and panels hence allowing clients, FM companies, system maintainers and even the home-owners to see the status of their system and be notified instantly of any fault or fire event.

The Velox Cloud can clearly display the location of the building on a wide area map and then zoom to give building information and 3D internal images showing the actual device location.

FUNCTIONAL FEATURES

Feature	Description
Operating keyboard	Touchscreen
Optical messages	Led
Acoustic messages	Buzzer
Visualisation of the events	480x272 TFT 4.3"
Serial output for PC	N° 1 – RS232
Event log	Max. 850
Working mode	Guarded/Unguarded
Programming/Management hardware key	Multilevel password
Exclusion of the analogue line	Single – multiple
I/O Modules / Detectors for each line	Max. 240
Programming type	Manual or by PC
Configuration of the analogue line	192 software zones
Analogue lines connection	Open or closed loop
Length of the detector lines	Max. 2000m
Type of cable	Shielded

DIMENSIONS (mm)

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TECHNICAL DATA

Feature	Description
Primary voltage	230 Vac / 50 Hz
Primary consumption	300mA ~
230V~ fuse	F4Ah

ELECTRICAL FEATURES

Feature	Description
Minimum operating voltage	21.6 V
Backup batteries	x2 (12Vdc 5-7Ah)
Available current for external loads	500mA
Standby absorption	300 mA – 12V
Monitored sounder line	Max. 500mA – 27.6V DC
Fault relay	Max. 1A - 30V DC/120V AC

MECHANICAL FEATURES

Feature	Description
Protection level	IP30
Cabinet	Steel
Dimensions (WxLxD)	300 x 300 x 100 mm (Refer to Dimension Drawings)
Weight (without batteries)	≈ 4.5 kg
Painting	Epoxy resin
Color	Black, white

ENVIRONMENTAL FEATURES

Feature	Description
Storage temperature	(-40 / +70)°C
Operating temperature	(+5 / +35)°C
Operating humidity (relative)	90%

ORDER CODES

Item	Description
VITA 6100	Analogue Addressable 4G Fire Detection and Alarm Control Panel