The ATEÏS Brand name, for more than three decades, is synonymous with quality and is backed with the assurance of Responsibility and Rapid response—essential in building a strong Relationship with our clients and customers.

VELOX is the new era by ATEÏS, shall service the life safety market segment in particular, and shall have the same commitment to excellence and customer satisfaction, reflecting the same quality we are known for by all our global partners.

Operating from five offices, our engineers constantly strive for excellence and outstanding performance. By maintaining its headquarters in Dubai-UAE, with support offices in Abu Dhabi, Qatar, Kingdom of Saudi Arabia, and India, ATEÏS Middle East is guaranteed to remain closer to the end user.

We deliver high-end fire alarm & mass notification systems, background music and professional audio systems that guarantee security and protection backed by high fidelity sound to provide an unbeatable combination of comfort and peace of mind.

Over decades, VELOX is built on the strong foundation of research and development in fire detection and alarm systems technology, delivered with the highest quality and safety standards, with the commitment of five years warranty.
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NEW ERA OF INNOVATION YOU TRUST

VELOX is delivered with intuitive design, built on the foundation of innovations and features that our customers love, and delivered with unparalleled synergy along with our leading ATEIS Audio Solutions, that re-defines the term “integration” in a new form never recognized before.

A new era of fire detection is born, in many ways it is the distinction that what our customers love in our products. The full integration now is simpler, more essential and certainly more capable. We believe that VELOX integrated solution is a new experience that harmoniously integrates both audio and Fire detection. Our engineers keeps on re-defining the boundaries between them to a limit that unlikely you have ever realized before.

Today, with over a three decades of innovation, we built a new system with distinctive care and quality. Our R&D has integrated both acoustics and fire detection for the first time ever, synonymously. We believe that the VELOX is an experience. That experience is refined, and pushed to the limit to define a new technology that is simple to commission, easy to install, and user friendly.

We have set the quality bars high, by choosing Dubai Silicon Oasis-UAE as the home to manufacture and design our products. We comply to ISO 9001 across the manufacturing and design, resulting in a bespoke and vivid realization of both acoustics and fire detection on one platform; thereby, setting a new era in life safety market segment that has never been realized before.
Jumeirah Group selected the ATEIS brand as their preferred vendor providing life safety protection to their iconic installations across the UAE.
VELOX 4000 fully integrates full audio and fire detection in a seamless synergy that redefines a new era of fire detection and alarm systems. Fully complying and certified to EN54 part 2 and 4.

The VELOX 4000 series is built on decades of innovation foundation, support from 1 to 8 loops via common plug in loop driver boards.

Fully integrated with ATEIS legendry public address and evacuation systems, and can route simultaneously up to 48 audio channels of sonic audio quality that support 192Kbit/sec of audio resolution. The evacuation network can sustain up to 8,192 zones of speaker circuits, each of 1000 watt load capability like no other.

The bespoke panel is fully integrated with addressable fire-man’s telephone communication system, that support up to 256 circuits, which can drive telephone jacks or addressable telephone handsets.

The system can handle 240 device per loop, and extend its loop length up to 2Km over a two core copper cable. The network can withstand up to 200 fire alarm control panels on a peer-to-peer communication, and network can be stretched on a span of 20Km over VELOX redundant network.

The VELOX 4000 can be delivered with multiple options of standard or custom made controls and LED indications to construct an LED mimic panel or smoke management control, with vivid design that sets a new era of customization.

### TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>VELOX 4200</th>
<th>VELOX 4400</th>
<th>VELOX 4800</th>
</tr>
</thead>
<tbody>
<tr>
<td>NUMBER OF LOOPS</td>
<td>1-2, Expandable via individual plug-in loop driver</td>
<td>1-4, Expandable via individual plug-in loop driver</td>
<td>2-8, Expandable via individual plug-in loop driver</td>
</tr>
<tr>
<td>LOOP CURRENT</td>
<td>500mA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ON BOARD RELAYS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ON BOARD POWER SUPPLY</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAINS SUPPLY</td>
<td>230 V Ac (+10%, -15% tolerance) 50 /60 Hz 1.9 Amp</td>
<td>230 V Ac (+10%, -15% tolerance) 50 /60 Hz 1.9 Amp</td>
<td>230 V Ac (+10%, -15% tolerance) 50 /60 Hz 1.9 Amp</td>
</tr>
<tr>
<td>BATTERY CAPACITY</td>
<td>24v 18 Ah internal. 24v 48 Ah external</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHARGER CURRENT</td>
<td>2.0 Amp DDP monitored, temperature compensated integral charger</td>
<td>2.2 Amp DDP monitored, temperature compensated integral charger</td>
<td></td>
</tr>
<tr>
<td>APPROVALS</td>
<td>-</td>
<td>BS EN54-2 &amp; 4:1998</td>
<td></td>
</tr>
</tbody>
</table>

### Features
- Compliant with BS EN54 parts 2 & 4
- 1, 2, 4 or 8 loop formats
- Up to 240 devices per loop
- Up to 1,000 fire detection zones
- Up to 200,000 devices per network
- True peer-to-peer networking
- Networkable up to 200 nodes
- Loop length extendable up to 2 km
- Up to 1000 event logs per panel for diagnosis of fault conditions
- Automatic and manual addressing features
- Complex ‘Cause & Effect’ programming options
- Dedicated RS232 serial port for PC or modem connection
- User-friendly menu and navigation keys
- Multiple language display options
INTELLIGENT
FIRE ALARM CONTROL PANELS

VELOX 4200
- One or two loops
- Medium enclosure
- Maximum 12Ah internal batteries
- Up to 50 additional programmable LEDs
- Up to 8 programmable key switches or 4 plus printer
- Plexi-glass door option
- Large and Deep enclosure options

VELOX 4400
- One to four loops
- Large enclosure
- Maximum 17Ah internal batteries
- Up to 200 additional programmable LEDs
- Up to 8 programmable key switches or 4 plus printer
- Plexi-glass door option
- Deep and Extended enclosure options
- Options for mimic panel or smoke management system.

VELOX 4010 - 4020
REMOTE DISPLAY AND CONTROL TERMINALS
- Graphical LCD display
- Multiple-language support
- Simple user control
- Fully on-site programmable

VELOX 4030 - 4035
ON-BOARD AND PORTABLE PRINTERS
- In-built battery backup
- Fast and silent operation
- Automatic and on-demand options for printing

VELOX 4800
- Two to eight loops
- Extended enclosure
- Maximum 45Ah internal batteries
- Up to 200 additional programmable LEDs, 2 x switch cards or mimic
- Up to 8 programmable key switches or 4 plus printer
- Plexi-glass door and external battery box option
- Options for mimic panel or smoke management system.

MIMIC PANELS
- Simple graphical indication of local zones
- Programmable mimic driver card and LEDs
- Flexibility in replacing or updating mimic diagrams or zone layouts
- Supports Dynamic zoning
- Network connection options
- Available in custom sizes A0, A1, A2 or A3 on request

VELOX 4400
- 2 LOOP
- 4 LOOP
- 8 LOOP

VELOX 2100 - 2200
ANALOG ADDRESSABLE FIRE ALARM CONTROL PANELS
- One loop or two loop options
- All devices are powered from the loop
- In-built isolator in each device
- 20 programmable zonal LED indicators
- 4 lines x 40 characters display
- 1000 events stored in the memory
- Day / Night programming functions
- Optional TCP/IP connectivity
- Small – Medium size installation

4090-4094 Range
POWER SUPPLY UNITS
- Compliant with EN54 part 4
- Available as boxed and un-boxed versions
- Switched mode power supply (1.5A, 3A, 5A)
- Onboard fault indications
CARDS & ACCESSORIES

NETWORK CARDS

The 4420 and 4421 network cards allow VELOX 4200 and 4400 fire alarm control panels to be linked with other similar panels or control and remote terminals on a single network which can be configured either from the panel or from a PC.

- True peer to peer network
- Connection of up to 200 panels on a network
- Network devices can be monitored from the control panel
- Cross-panel reporting and control
- Flexibility in adding and removing control panels and remote terminals

BMS/GRAPHICS INTERFACE CARD

The 4120 BMS interface card allows integration of fire alarm control panels and remote terminals with building management systems (BMS) and graphics PCs.

- Easy configuration and sector based programming via software
- Compatible with 3rd party graphics systems

IP INTERFACE CARD

The 4124 IP Gateway Interface Card allows connection of the 4000 series of fire alarm control panels and its network to the Internet.

Configuration over the Internet
- Password protection
- Event notification via Email
- Multiple user permissions (maximum of 2 simultaneous users)
- Compatible with IE6, IE7, and Firefox 2

BACNET/IP/MODBUS INTEGRATOR

The 4130 integrator provides protocol conversion for BACNET, IP and MODBUS networks to link the fire detection and alarm network with third-party building management systems.

BACNET/IP or MODBUS/IP protocol conversion
- Provide full control on the network
- up to 400 points control

PERIPHERAL CARD

OUTPUT CARDS

Output cards 4042 and 4048 are 2-way and 8-way relay output devices fitted as an internal peripheral with the 4000 series of fire alarm control panels.

- 8 individually programmable outputs
- Fast output response
- Cost-effective option to additional hardware
- Supports complex cause and effect configurations
The 4148 is an 8-way input card fitted as an internal peripheral with the 4000 series of fire alarm control panels. All 8 inputs can be individually programmed for any specific function supported by the fire alarm control panel. The input card provides a cost effective way to perform latched or non-latched switching functions such as fire, fault, alarm, security, disable, evacuate and so on.

**INPUT CARD**

- 8 individually programmable inputs with 8 on-board green LEDs
- Fast input response for class change latching/non-latching operations
- Easily programmable via on-board keypad or PCs
- Ideal for class change or non-latching operations where fast input response is essential

The 4060 peripheral bus adaptor card provides a serial interface bus for connection of a range of peripheral modules such as a general routing interface.

**PERIPHERAL BUS ADAPTOR CARD**

- Optically isolated interface
- Compatible with a general routing interface

The 4061 general routing interface card is an optional module that provides fire and fault routing outputs. Two fire routing outputs are provided to distinguish between fire alarm signals from a manual call point (MCP) and automatic detector (AFD), if required.

**GENERAL ROUTING INTERFACE CARD**

- Monitored outputs to fire alarm and fault routing circuits
- Circuits are monitored for open and short circuit conditions

The 4064 programmable 4-way relay card is an optional peripheral that provides four individually programmable relay output circuits. Up to 16 Cards can be connected to a multi-loop panel giving a maximum of up to 64 additional local relay outputs.

**PROGRAMMABLE RELAY CARD**

- Individually programmable outputs
- An input is provided to monitor the fault output from a power supply

The 4062 programmable 4-way sounder card is an optional peripheral that provides four individually programmable and monitored sounder output circuits. Up to 16 cards can be connected to a multi-loop panel giving a maximum of up to 64 additional local sounder outputs.

**PROGRAMMABLE SOUNDER CARD**

- Outputs are individually programmable and can be synchronised in pulsing modes
- An input is provided to monitor the fault output from a power supply

Zonal LED indicators can be mounted on fire alarm control panels to simultaneously display the status of all zones in a fire condition. The LED cards illuminate to indicate the status of zones ranging from 20-200 zones. The LED cards are available either as factory fitted to the panels or as retro fit devices. A power saving feature minimizes the power drawn from the fire alarm control panel in the event of a fire.

**ZONAL LED INDICATOR**

- LED cards support 20, 50, 100, and 200 zones
- Simultaneous display of all zones in a fire condition
- Supports Dynamix zoning
- Factory fitted or retro fit options
Fire Alarm Systems

The 4070 sounder splitter card splits an input from a standard sounder circuit into 4 monitored outputs. The circuits are fully monitored for open and short circuits, and up to 1A is supplied to each circuit.

The 4070 operates in two modes, 1A and 4A splitter. The modes are selected via jumper switches on the card. In the 1A mode, the sounder splitter card derives power from the control panel’s auxiliary supply. In the 4A mode, the sounder splitter card derives power from an external supply.

The 4072 sounder booster card provides increased sounder output capability by boosting the input signal from the sounder circuit of a fire alarm control panel. Up to 4A of sounder drive current is provided to a single circuit.

The 40710 loop analyser is used to interface the fire detection and alarm loop with a personal computer to test and commission the loop without using a fire alarm control panel.

The 40710 requires an external power supply, which is connected to its 24V DC terminal. When used in place of the fire alarm control panel, the 40700 supplies a loop current of 500mA to power all connected devices for monitoring and addressing the devices.

The user interface or application software on the PC allows scanning of the entire loop to identify devices and report open- and short-circuit faults, automatic sequential addressing of devices, and activation of sounders and beacons.

The handheld 40700 programming unit is used to manually assign addresses to devices on a fire detection loop.

The programming unit is connected to a device (detector, sounder, call point, module, etc.) by means of an adaptor or a special cable.

The device has four keys which allow incrementing or decrementing the address of a device, store an address into the memory of a connected device, or simply read the address of a connected device.

An LCD on the programming unit displays basic information on a connected device, such as the type of device, production and test dates, and battery status.
Features
- ‘Cause and effect’ programming
- Auto and pre-configured software options
- Remote dial-up via modem
- User-friendly graphical interface
- User-defined logos for the fire panel

Configuration Software comprises a range of specific tools allowing users to achieve what they want quickly and easily, not get bogged down in large, clumsy and complicated software.

Configuration Software is being continually developed for the VELOX panel range, adding new features and performance enhancements. Recently these have included comprehensive false alarm management and alarm verification features.

Our position in the global fire industry means we help guide legislation and can implement software changes quickly, keeping our customer systems right up to date. We also listen closely to our customers and often produce features for specific client requirements.

The 4500 and 4501 configuration software for VELOX 4000 panels is compatible with Windows operating systems and offers sophisticated ‘cause and effect’ programming functionalities.

The 4502 remote dial-up software allows communication with the 4000 series of fire alarm control panel via a modem or direct RS232 connection.

The 4503, 4504, 4505 graphical control software is used to setup a user friendly interface to control fire alarm equipment by means of graphical maps, images, and text for monitoring installation sites and program graphical command buttons for enabling or disabling devices.

Config Tool
- Full configuration of single panel or network system
- Automatic design check of site configuration
- Assistants menu helps the engineer to easily configure panels
- Import, export information and print configuration reports

Terminal Tool
- Full configuration of single panel or network system
- Automatic design check of site configuration
- Assistants menu helps the engineer to easily configure panels
- Import, export information and print configuration reports

Service Tool
- Extract device information and event logs from single or multiple panels
- Device History including last activation, test, enable, disable and date created
- User defined filters allow data to be grouped and searched in many different ways
- View device status, analogue values and drift (contaminated) information
- Network simulation and test feature
- Categorise events and create User defined reports

Logo Tool
- Allows the installer’s logo to be displayed on the panel’s graphical LCD display during Normal Operation
- Uploads standard bitmap images
- Tool allows creation of logos
- JPG and GIF images can be imported

SOFTWARE
• Full configuration of single panel or network system
• Automatic design check of site configuration
• Assistants menu helps the engineer to easily configure panels
• Import, export information and print configuration reports

Configuration Software comprises a range of specific tools allowing users to achieve what they want quickly and easily, not get bogged down in large, clumsy and complicated software.

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INTELLIGENT DETECTORS WITH ISOLATORS

ADDRESSABLE SMOKE & HEAT DETECTORS WITH INBUILT SHORT CIRCUIT ISOLATORS

VELOX addressable detectors employ optical and thermal detection technologies to sense fire conditions.

The V100, V200, and V350 range of detectors come with inbuilt short circuit isolators and a bi-colour (red/green) LED for 360 visibility.

Combination of optical and thermal detection in a single detector head saves costs and spots both slow smoldering and high energy flaming fires.

Up to 240 devices can be connected on a single loop, which can extend to 2 km as per load calculations and cable selections.

The devices are powered from the same fire detection loop which connects the fire alarm control panel, sounders, beacons, manual call points, etc. Therefore, additional power supply sources are not required.

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>V100</th>
<th>V200</th>
<th>V350</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compliant with EN54 part 5, 7 and 17</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inbuilt short-circuit isolators</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Double dust trap and protection screen prevent entry of dust or small insects</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Choice of various sensitivity levels</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Automatic &amp; Manual addressing features</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Responsive to magnet tests</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tamper detection and fault indication on fire panel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LED indicator with 360° visibility</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Automatic drift compensation</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Technical Specifications

<table>
<thead>
<tr>
<th>POWER SUPPLY</th>
<th>V100</th>
<th>V200</th>
<th>V350</th>
</tr>
</thead>
<tbody>
<tr>
<td>POWER SUPPLY</td>
<td>from 18 V (min) to 40 V (max)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AVERAGE STANDBY CURRENT CONSUMPTION</td>
<td>70 uA @ 24 V</td>
<td>55 uA @ 24 V</td>
<td></td>
</tr>
<tr>
<td>REMOTE OUTPUT MAX CURRENT CONSUMPTION(EXTERNALLY LIMITED)</td>
<td>20 mA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OPERATING TEMPERATURE RANGE</td>
<td>-30 °C to +70 °C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HUMIDITY</td>
<td>95% RH (no condensation)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HEIGHT (STANDARD BASE INCLUDED)</td>
<td>54 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DIAMETER</td>
<td>110 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WEIGHT (STANDARD BASE INCLUDED)</td>
<td>130 g</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
INTELLIGENT DETECTORS WITHOUT ISOLATORS

Features
- Compliant with EN54 part 5 and 7
- Double dust trap and protection screen prevents entry of dust or small insects.
- Choice of various sensitivity levels
- Manual addressing via the 40700 handheld programmer
- Up to 240 device per loop
- LED indicator with 360° visibility
- Automatic drift compensation

ADDRESSABLE SMOKE & HEAT DETECTORS WITHOUT INBUILT SHORT CIRCUIT ISOLATORS

VELOX addressable detectors employ optical and thermal detection technologies to sense fire conditions through sophisticated proven intelligent algorithms.

The LV100, LV200, and LV350 range of detectors comes with 360° LED, drift compensation and multiple levels of alarm sensitivities.

Combination of optical and thermal detection in a single detector head saves costs and spots both slow smoldering and high energy flaming fires.

Up to 240 devices can be connected on a single loop, which can extend up to 2Km of loop length as per load calculations and cable selections.

The devices are powered from the same fire detection loop which connects the fire alarm control panel, sounders, beacons, manual call points, etc.

Therefore, additional power supply sources are not required.

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>LV100</th>
<th>LV200</th>
<th>LV350</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>POWER SUPPLY</strong></td>
<td>from 18 V (min) to 40 V (max)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AVERAGE STANDBY CURRENT CONSUMPTION</strong></td>
<td>70 uA @ 24 V</td>
<td>55 uA @ 24 V</td>
<td></td>
</tr>
<tr>
<td><strong>REMOTE OUTPUT MAX CURRENT CONSUMPTION (EXTERNALLY LIMITED)</strong></td>
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<td></td>
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</tr>
<tr>
<td><strong>WEIGHT (STANDARD BASE INCLUDED)</strong></td>
<td>130 g</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
The VELOX decorative line of smoke and heat detectors is designed for installations that demand superior aesthetics and seamless match with interior architecture and decoration.

Intelligent, conventional, and wireless detectors are available in a variety of colors and patterns to blend in with the wood, metal, and marble finishes.

Decorative fire alarm detectors have applications in historical buildings, places of worship, and government buildings, where artistic design of structures is given as much priority as architecture.

To order a decorative sensor, add the color code to the product order code. For example, to order a smoke detector V100 with green marble pattern, request quote for V100-14.
now faster and boasting many new useful features this is by far the best beam on the market¹

We have now designed completely new linear stepper motors which have resulted in amazingly fast commissioning and routine maintenance.

At 40 meters under test conditions we are recorded an auto align times straight out of the box of 3m 02s and once aligned a routine re-alignment was timed at 1m 07s.

This is class leading performance not only in terms of speed but also in terms of advanced robust design built for precise purpose.

Very low power, using only 3.5mA allowing 100 units of 40960 to be connected on the VELOX loop with in-built isolator

Easy clean lenses the 40960 has been designed to be easily cleaned with its flat surfaces. Unlike other beams all the moving optics are safely encased inside the waterproof enclosure and you are not going to knock the beam out of alignment.

This means the 40960 can easily be cleaned from ground level using something like a no-climb pole and suitable attachment.

**Features**
- Compliant with BS EN54-12 and UL268
- Ground level control
- Laser assisted alignment
- Building shift compensation
- Auto-optimize beam alignment
- up to 100 meters with additional accessories
- loop powered inbuilt isolator
- up to 100 unit on a single loop

**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th></th>
<th>40960</th>
</tr>
</thead>
</table>
| **ELECTRICAL SPECIFICATIONS** | Supply Voltage. 10.2 to 30 VDC  
Supply Current. 3.5mA (constant current) in all operational states  
Constant Current. 17mA (constant current) in fast commissioning |
| **ENVIRONMENTAL SPECIFICATIONS** | Temperature. -10°C to +55°C  
Humidity. 10% to 95% RH Non-condensing  
Protection Index. IP65 when suitably mounted and terminated |
| **OPERATIONAL SPECIFICATIONS** | Standard Product 5 to 40 metres  
40960-80. Mid-Range Reflector Kit 40 to 80 metres  
40960-100. Long Range Reflector Kit 80 to 100 metres |
| **ALARM SENSITIVITY LEVELS** | 25%(1.25dB) to 50%(3dB) in 1%(0.05dB) increments (default 35% (1.87dB)) |
INTELLIGENT ADDRESSABLE DUCT DETECTOR

The 40950 series of duct smoke detectors systems samples air movement in heating and ventilation ducts by means of an intelligent smoke detector, housing, and air sampling tube.

An intelligent or conventional optical smoke or heat detector can be mounted in the 40950 housing.

Air in the ducts is sampled by the sampling tube/venturi pipe, which extends from the detector housing into the duct. The length of the Aluminium sampling tube can be shortened according to the diameter of the duct. However, if the ventilation duct is wider than 0.6 m, the sampling tube should penetrate the whole duct.

A filter can be attached to the duct detector for operation in dust environments.

A flexible 40950-BR enables mounting of the 40950 housing on rectangular and circular ducts with diameters as small as 100 mm.

### Features
- Easy mounting of sampling tube
- Single pipe/air sampling system
- Each 40950 system does not require more than one sampling tube for supply and return of air
- Duct detectors can operate in air speeds ranging from 0.5 m/s to 20 m/s

### Technical Specifications

<table>
<thead>
<tr>
<th></th>
<th>40950</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIMENSIONS OF DDH:</td>
<td>180x183x235mm</td>
</tr>
<tr>
<td>WEIGHT OF DDH:</td>
<td>700g</td>
</tr>
<tr>
<td>AIRFLOW SPEED IN DUCT:</td>
<td>0.5m/s to 20m/s</td>
</tr>
<tr>
<td>OPERATING VOLTAGE OF BOOSTER FAN:</td>
<td>24V AC (separate external power supply)</td>
</tr>
<tr>
<td>LENGTHS OF AIR SAMPLING TUBE:</td>
<td>40950-06 40950-15 40950-28</td>
</tr>
<tr>
<td></td>
<td>0.6m 1.5m 2.8m</td>
</tr>
<tr>
<td>DIAMETER OF DRILL HOLE ON THE DUCT:</td>
<td>38mm for installation of air sampling tube without the bracket 50mm for installation of air sampling tube with the bracket or booster fan</td>
</tr>
<tr>
<td>APPROVALS:</td>
<td>BS5839 parts 1 and 4 EN54 parts 5 and 7</td>
</tr>
</tbody>
</table>
ADDRESSABLE LOOP POWERED SOUNDER BASE

Features
- Compliant to EN54-3
- Low current as low as 0.8 mA
- World’s slimmest Sounder Base
- Powered from the loop
- Individually controlled
- Does not consume any address
- Up to 178 Sounder Base Sensor on a single loop

The VELOX 40200 is the latest technology from ATEIS, simple to install and easy to program, make the VELOX loop powered sounder the preferred choice for many applications such as offices, hotel rooms, kitchens, and all other applications where localized sound alarm is required.

The new VELOX sounder base is a leading technology in alarm systems, fully microprocessor loaded, allowing four different tones and four different volumes to be selected. Furthermore, as low as 0.8mA of current consumption, make it easy to connect 178 sounder base along with 178 detectors.

The new VELOX sounder base can as well extend the function of the remote alarm to the detector; hence a remote indicator can be connected as well, which shall be activated along with the sounder.

The VELOX sounder technology does not require any address to be assigned to it. Once connected to the loop, the sounder processor communicates with the VELOX fire panel and assigns a sub-address from the installed sensor.

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>40200</th>
</tr>
</thead>
<tbody>
<tr>
<td>STANDARD</td>
<td>EN54-3</td>
</tr>
<tr>
<td>POWER SUPPLY</td>
<td>From 15 Vdc (Min) to 52 Vdc (Max)</td>
</tr>
<tr>
<td>ALARM CURRENT CONSUMPTION</td>
<td>0.8mA to 2.8mA (based on dBA output volume selection and tone selection)</td>
</tr>
<tr>
<td>OPERATING TEMPERATURE RANGE</td>
<td>-20 to 60 °C</td>
</tr>
<tr>
<td>HUMIDITY</td>
<td>95% RH (non-condensing)</td>
</tr>
<tr>
<td>NUMBER OF DEVICES ON THE LOOP</td>
<td>178 sounder base</td>
</tr>
<tr>
<td>SOUND OUTPUT (MAX)</td>
<td>94 dBA</td>
</tr>
<tr>
<td>DIMENSION</td>
<td>111 Dia (:mm), Height 31.5 (:mm)</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>145 g</td>
</tr>
<tr>
<td>COLOR</td>
<td>RAL 9016 as standards , Decorative colors on demand optional</td>
</tr>
</tbody>
</table>
ADDRESSABLE SOUNDER & BEACON

A selection of various tones and adjustable sound output volume allows installation and application of the VELOX range of sounders in different environments.

Different tone patterns can be set to identify alert and evacuation signals. Tones for applications such as BS fire tone, DIN tone and Dutch fire tone can be selected from the fire alarm control panel and programmed for different situations and with different time variations.

A rotary volume control at the rear of the devices allows setting up of the tone volumes according to different requirements and applications.

The devices are powered from the same fire detection loop which connects the fire alarm control panel, detectors, beacons, manual call points, etc. Therefore, additional power supply sources are not required.

Features
- Inbuilt short-circuit isolator
- Automatic & Manual addressing features
- Up to 100 dB output at 1 m
- Fully synchronized tones
- Programmable tones from the fire alarm control panel
- Selectable flash rate and light output intensity

Loop powered high output (up to 100dBA) intelligent wall mounted sounder with integrated LED beacon.

40320 Sounder Beacon

40321 Waterproof Sounder Beacon

40300 Sounder

40301 Waterproof Sounder

40300 - 40301

POWER SUPPLY
19-30 VDC

MINIMUM OPERATING VOLTAGE
15 VDC

STANDBY CURRENT CONSUMPTION
70 μA (typical)

ALARM CURRENT CONSUMPTION
5 - 7 mA (at 24 V)

OPERATING TEMPERATURE RANGE
-10 °C to +55 °C

HUMIDITY
5 - 85% RH

MAXIMUM WIRE GAUGE
2.5 mm²

SOUND OUTPUT VOLUME (SELECTABLE)
80 - 100 dB(A)

BEACON FLASH RATE
- 1 Hz

BEACON FLASH LIGHT INTENSITY
- > 1 Cd

40320 - 40321

POWER SUPPLY
19-30 VDC

MINIMUM OPERATING VOLTAGE
15 VDC

STANDBY CURRENT CONSUMPTION
70 μA (typical)

ALARM CURRENT CONSUMPTION
8 - 10 mA (at 24 V)

OPERATING TEMPERATURE RANGE
-10 °C to +55 °C

HUMIDITY
5 - 85% RH

MAXIMUM WIRE GAUGE
0.5 - 2.5 mm²

SOUND OUTPUT VOLUME (SELECTABLE)
89 - 100 dB(A)

BEACON FLASH RATE
1 Hz

BEACON FLASH LIGHT INTENSITY
> 1 Cd

40340 ADDRESSABLE BEACON

Low current loop powered LED array beacon.

40340

POWER SUPPLY
19-30 VDC

MINIMUM OPERATING VOLTAGE
15 VDC

STANDBY CURRENT CONSUMPTION
70 μA (typical)

ALARM CURRENT CONSUMPTION
8 - 10 mA (at 24 V)

OPERATING TEMPERATURE RANGE
-10 °C to +55 °C

HUMIDITY
5 - 95% RH

MAXIMUM WIRE GAUGE
0.5 - 2.5 mm²

SOUND OUTPUT VOLUME (SELECTABLE)
- 100 dB(A)

BEACON FLASH RATE
1 Hz

BEACON FLASH LIGHT INTENSITY
> 1 Cd
INTELLIGENT REMOTE INDICATOR

Features
• Powered from the fire alarm loop
• In-built isolator for protection against short circuits
• Automatic & Manual addressing features
• IP42 protection rating

ADDRESSABLE REMOTE INDICATOR LAMP

The 40330 addressable remote indicator lamp is an output device that activates its LED to provide a visual indication of fire alarm conditions.

The addressable remote indicator is controlled, activated and deactivated from the fire alarm control panel.

The device which can be mounted on a wall or ceiling is ideal for installation in sites where detectors are inaccessible.

REMOTE INDICATOR LAMP FOR DETECTORS

The 3330 remote indicator lamp provides local indication of fire detector in alarm. The device functions as an LED optical repeater when wired to a detector.

The remote indicator is controlled and powered directly by the detector, which supplies a current of 20 mA to drive the indicator.

The repeater can be installed away from the detector to indicate an alarm conditions by illumination of the LED.

The device can be mounted on a wall or ceiling.

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>40330</th>
<th>3330</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLIED VOLTAGE</td>
<td>18 — 40 Vdc</td>
<td></td>
</tr>
<tr>
<td>AVERAGE STANDBY CURRENT CONSUMPTION</td>
<td>50 μA @ 24 Vdc</td>
<td>4.5 mA</td>
</tr>
<tr>
<td>ACTIVATED LAMP CURRENT ABSORPTION</td>
<td>4.5 mA @ 24 Vdc</td>
<td>95%</td>
</tr>
<tr>
<td>LOOP CABLE’S WIRE GAUGE RANGE</td>
<td>0.5 — 2.5 mm²</td>
<td></td>
</tr>
<tr>
<td>OPERATING TEMPERATURE RANGE. NO CONDENSATION</td>
<td>-30°C to +70°C</td>
<td>3330 White</td>
</tr>
<tr>
<td>MAXIMUM TOLERATED HUMIDITY. NO CONDENSATION</td>
<td>95% RH</td>
<td>TEHNIK</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3330</td>
</tr>
</tbody>
</table>
The intelligent analogue addressable manual call point is an emergency alerting device which can be activated by pressing a transparent plastic window on its front side.

The emergency call point once activated can be reset by using a key supplied with the device.

A bicolour (red/green) LED provides the status of the device.

Waterproof call points can be installed in humid and wet environments.

Up to 240 devices can be connected on a single loop, which can extend to 2 km as per load calculations and cable selections.

The devices are powered from the same fire detection loop which connects the fire alarm control panel, detectors, beacons, sounders, etc. Therefore, additional power supply sources are not required.

**Features**

- Transparent plastic window on front panel for activation
- No glass breaking activation
- Key reset mechanism
- Automatic & Manual addressing features
- Inbuilt short circuit isolators

**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th></th>
<th>40800</th>
<th>40801</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>POWER SUPPLY VOLTAGE RANGE</strong></td>
<td>from 18 Vdc to 40 Vdc</td>
<td></td>
</tr>
<tr>
<td><strong>AVERAGE CURRENT CONSUMPTION</strong></td>
<td>70 uA</td>
<td></td>
</tr>
<tr>
<td><strong>LED CURRENT CONSUMPTION</strong></td>
<td>6 mA ( @ 24 Vdc )</td>
<td></td>
</tr>
<tr>
<td><strong>OPERATING TEMPERATURE RANGE</strong></td>
<td>-20 °C to +65 °C</td>
<td></td>
</tr>
<tr>
<td><strong>HUMIDITY</strong></td>
<td>95% RH - no condensation</td>
<td></td>
</tr>
<tr>
<td><strong>DIMENSIONS (W/O BACK BOX)</strong></td>
<td>87 x 87 x 23 mm</td>
<td>119 x 128 x 62 mm</td>
</tr>
<tr>
<td><strong>MAXIMUM WIRE GAUGE</strong></td>
<td>2.5 mm²</td>
<td></td>
</tr>
<tr>
<td><strong>INTERNATIONAL PROTECTION RATING</strong></td>
<td>IP31</td>
<td>IP67</td>
</tr>
</tbody>
</table>

**40801 Waterproof Call point**
The intelligent call point has a resettable plastic element which has the look of glass.

**40802 Call Point double action cover**
40802 provides a clear plastic cover for the 40800 callpoint that can be secured to prevent misuse and false alarms.

**Resettable Call point**
Intelligent call point available in blue, green, white, yellow colour.
VELOX input/output modules enable setting up of a ‘cause and effect’ plan for the various detection and alerting devices and activate emergency measures involved in life safety.

The modules act as an interface between the fire detection loop and external devices on heating, ventilation and air conditioning networks.

The addressable modules can be used to monitor sensory devices via its input terminals and then activate fire control mechanisms such as control of fire shutters, sprinklers, ventilation and air conditioning equipment via its output terminals.

The input modules can supervise devices for alarm, short, open, and earth conditions.

The devices are powered from the same fire detection loop which connects the fire alarm control panel, detectors, beacons, manual call points, etc. Therefore, additional power supply sources are not required.

**Features**
- Compliant with EN54-17:2005 and EN54-18:2005
- Devices are controlled and monitored in supervised and unsupervised modes
- Automatic & Manual addressing features
- Easy to mount
- Industrial applications
- Weather resistant
- Up to 240 devices per loop
- Powered from the loop
- Twin Bi-Color LED for Status and Fire Single
- Inbuilt short circuit isolators

**Micro input/output modules** are lightweight devices that provide flexibility in installation.

**DIN rail input/output modules** are suitable for industrial applications. They can be mounted on 19-inch racks or in standard electrical boxes.

**Mini input/output modules** are suitable for installation in commercial and industrial environments.

**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th></th>
<th>MINI INPUT/OUTPUT</th>
<th>ANALOG ADDRESSABLE INPUT &amp; OUTPUT MODULES</th>
<th>DIN RAIL MOUNT INPUT/OUTPUT</th>
<th>MICRO INPUT/OUTPUT</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SUPERVISED INPUT</strong></td>
<td>-</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td><strong>SUPERVISED OUTPUT</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>RELAY (FORM C) OUTPUT</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>NUMBER OF ADDRESSES ON LOOP</strong></td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td><strong>LOOP'S VOLTAGE RANGE</strong></td>
<td>15-40 VDC</td>
<td>15-40 VDC</td>
<td>15-40 VDC</td>
<td>15 V (min) - 40 V (max)</td>
</tr>
<tr>
<td><strong>AVERAGE CURRENT CONSUMPTION</strong></td>
<td>120 µA (24 V)</td>
<td>120 µA (24 V)</td>
<td>120 µA (24 V)</td>
<td>120 µA (24 V)</td>
</tr>
<tr>
<td><strong>LED'S CURRENT CONSUMPTION</strong></td>
<td>6 mA (24 V)</td>
<td>6 mA (24 V)</td>
<td>6 mA (24 V)</td>
<td>-</td>
</tr>
</tbody>
</table>

* Two single pole double throw relays; both relays have the same address and cannot be triggered individually.
multi-input, multi-output modules are addressable control and monitoring devices used to supervise and activate auxiliary devices such as sounders, strobes, shutters, and water flow switches.

Modules with multiple inputs and outputs are suitable replacements for several single-input/output modules installed for applications such as control of elevators, sprinkler systems, doors, and fire fighting systems.

Each channel (input or output) on the VMIC module can be controlled by the VELOX 4000 series of fire alarm control panels. The input channels can be supervised for Normal, Alarm, and Fault conditions by using end-of-line resistors. The supervised output channels can be used to either monitor an external load via an end-of-line resistor or supervise an external power supply for the output. The relay (Form C) outputs are non-supervised outputs for the control of auxiliary devices, and they can be controlled by the fire alarm control panel.

The devices are powered from the same fire detection loop which connects the fire alarm control panel, detectors, sounders, beacons, manual call points, etc. Therefore, additional power supply sources are not required.

Features

- Compliant with BS EN54-17 and BS EN54-18
- Supervised input/output channels
- In-built isolator for protection against short circuits.
- Automatic & Manual addressing features
- Tri-color LED indicators
- Weatherproof enclosure with IP65 protection rating
- Up to 240 devices per loop

ISOLATOR MODULE

Isolator module provides short-circuit isolation for analog intelligent fire detection and alarm loops. The isolator module is required when LV100, LV200 and LV350 smoke and heat detectors are used on the loop, because the detectors come without in-built short-circuit isolators.

**Features**

- Protection against open and short circuit faults
- Short-circuit isolation for up to 32 devices

<table>
<thead>
<tr>
<th>MULTIPLE CHANNEL INPUT/OUTPUT MODULES</th>
<th>ISOLATOR MODULE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUPERVISED INPUT</td>
<td>4</td>
</tr>
<tr>
<td>SUPERVISED OUTPUT</td>
<td>-</td>
</tr>
<tr>
<td>RELAY (FORM C) OUTPUT</td>
<td>4</td>
</tr>
<tr>
<td>LOOP’S VOLTAGE RANGE *</td>
<td>from 18 V to 40 V</td>
</tr>
<tr>
<td>STANDBY CURRENT CONSUMPTION</td>
<td>500 μA at 24 V</td>
</tr>
<tr>
<td>OPERATING TEMPERATURE RANGE</td>
<td>-180 °C to + 55 °C</td>
</tr>
<tr>
<td>HUMIDITY</td>
<td>from 5 RH% to 85 RH%</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>210 x 170 x 65 mm</td>
</tr>
<tr>
<td>MAXIMUM NUMBER OF VEGA LITE DEVICES THAT CAN BE “CUT OFF” BY THE ISOLATOR MODULE</td>
<td>-</td>
</tr>
<tr>
<td>MAX WIRE GAUGE RANGE</td>
<td>2.5 mm²</td>
</tr>
</tbody>
</table>

*Product operates down to 15 V, but without LED indication.
The IFU100 is a customizable enclosure designed to accommodate input/output interface modules, relays, power supply units and chargers to function as an interfacing device to link independent fire alarm networks and security mechanisms with the centralized fire alarm and detection and PAVA systems in a building.

The interface devices and power supply are housed in the steel enclosure which provides IP30 protection. The enclosure has a key lock mechanism to restrict unauthorized access. The IFU100 is an easy-to-install unit that can interface addressable fire alarm networks with conventional fire alarm networks and building management systems such as HVAC, lifts, security and power systems.

**Features**

- Interfacing of fire alarm loop with conventional fire detection and alarm networks
- EN54 compliant power supply and charger
- Two LEDs on front panel indicate power supply and fault conditions
- Multiple combinations of input/output modules
- Flexible mounting and wiring options
- IP30 protection
- Expandable up to 12 channel of I/O
- DIN Rail for External Relay connection
- Battery Backup for 24 h and 30 min of alarm operation

**Technical Specifications**

<table>
<thead>
<tr>
<th>IFU100</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power Supply</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
</tr>
<tr>
<td><strong>Input Supply</strong></td>
</tr>
<tr>
<td><strong>Output Voltage</strong></td>
</tr>
<tr>
<td><strong>Charger Voltage</strong></td>
</tr>
<tr>
<td><strong>Output Current</strong></td>
</tr>
<tr>
<td><strong>Environment</strong></td>
</tr>
<tr>
<td><strong>On Board Indication</strong></td>
</tr>
</tbody>
</table>
The VELOX 4000 series of integrated fire alarm, mass notification, and fire telephone systems come with a master handset used to control all call operations on an emergency voice communication system (EVCS).

The master handset is connected to outstation handsets on the fire telephone network via an eight-line exchange, which is part of the EVCS network.

The VCCS is a compact 5-line fire telephone system suitable for small buildings which require a basic emergency voice communication system (EVCS).

The VoCall VCX8 is an eight-line exchange used to network and power the master handset and eight lines on an emergency voice communication system (EVCS).

The VCX8 eight-line exchange is part of the EVCS network comprising a master handset and outstation handsets.

VoCall outstation handsets are connected to the line exchange of an emergency voice communication system (EVCS).

The outstations have two types of fixed handsets. Type A handset is used for evacuation or fire fighting. The Type B handset is used where installation of a Type A is impractical.

The VCRHS roaming handset can be connected to an emergency voice communication system (EVCS) via a telephone jack connected to EVCS network or the fire detection loop in case of an integrated fire alarm fire telephone system.

The roaming handset offers exceptional flexibility in establishing communication via the EVCS network comprising a master handset, eight-line exchange, and outstation handsets.

An EVCS is a fixed, secure, bi-directional, full-duplex voice communication system to assist fire fighters in an emergency in high-rise buildings or large sites where radio communication may not work.

### TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>VCM</th>
<th>VCCS</th>
<th>VCX-8</th>
<th>EVCS TYPE A</th>
<th>EVCS TYPE B</th>
<th>JACK PLATE</th>
<th>ROAMING HANDSET</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DIMENSIONS</strong></td>
<td>268 x 275 x 85mm</td>
<td>300mm x 350mm x 120mm</td>
<td>296 x 210 x 80mm</td>
<td>320 x 295 x 150mm</td>
<td>133 x 133 x 45mm</td>
<td>86 x 86 x 25mm</td>
<td>210 x 66 x 45mm</td>
</tr>
<tr>
<td><strong>POWER SUPPLY</strong></td>
<td>230V AC + 20%</td>
<td>230VAC +/- 10% 50/60Hz</td>
<td>230V AC + 20%</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td><strong>CURRENT</strong></td>
<td>12V SLA 3.2AH</td>
<td>Deep discharge, Short, Thermal</td>
<td>11 mA</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td><strong>WEIGHT</strong></td>
<td>1.4 Kg</td>
<td>6.5 Kg</td>
<td>1.6 Kg</td>
<td>1.4 Kg</td>
<td>1.105 Kg</td>
<td>0.14 Kg</td>
<td></td>
</tr>
<tr>
<td><strong>MATERIAL</strong></td>
<td>Stainless Steel Brushed</td>
<td>–</td>
<td>Zintec, Texture Powder coated RAL7032</td>
<td>–</td>
<td>Zintec, Texture Powder coated RAL3001 Single Red</td>
<td>Brushed Stainless Steel</td>
<td></td>
</tr>
<tr>
<td><strong>STANDARDS</strong></td>
<td>EN55103-1, EN55103-2, BS5839-p19, BS5588-p18</td>
<td>–</td>
<td>EN55103-1, EN55103-2, EN5588Part 9, BS5588-Part 8</td>
<td>EN55103-1, EN55103-2, BS5588Part 9, BS5588-Part 8</td>
<td>EN55103-1, EN55103-2, BS5588-p18, BS60118-4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Features
- Up to 8 master handsets per system
- Up to 256 lines
- Unique 16-character name for addressing each line
- Wall, desk, and rack mount
**FIRE TELEPHONE SYSTEM**

**VCX-8**
LINE EXCHANGE
- Up to 32 exchanges on the EVCS network
- Up to 256 lines
- Full monitoring of each line for faults
- Battery backup up to 24 h and 30 min alarm operation

**VCC5**
COMPACT 5-LINE FIRE TELEPHONE
- Compliant with BS5839-9
- Up to 5 outstations per system
- Onsite programming not required
- 15 status LEDs
- Full duplex system

**VCRHS - VCRJPP**
ROAMING HANDSET & TELEPHONE JACK
- Compliant with EN55103-1, EN55103-2 and BS5839-9, BS5588-8, BS60118-4
- Flexible roaming phone and cable
- Low-noise telephone jack
- Addressable telephone jack on fire panel loop

**TYPE A**
OUTSTATIONS FIXED HANDSETS
- Up to 32 exchanges on the EVCS network
- Up to 256 lines
- Full monitoring of each line for faults
- Fully Monitored
- Stainless Steel Option

**TYPE B**
OUTSTATIONS FIXED HANDSETS
- Up to 32 exchanges on the EVCS network
- Up to 256 lines
- Full monitoring of each line for faults
- Hands Free Operation
- Flashing Status LED
- Duplex Speech
- Stainless Steel Option

**VCM**
Master Handset
- Monitored Handset
- Large High Contrast Display (4x20 Character)
- 12 Key Quick Dial Keypad
- Full Duplex System
- Up to Eight Masters Per System
- Directory Dial Function
- Controls Up to 256 Lines (32 VCX-8 Exchanges)
- 16 Character Unique Name Per Line
- Dual Network Ports
- Remote Powered

**REMOTE POWERED**
- VCC5
- VCRHS - VCRJPP
- VCM

**COMPATIBLE WITH**
- BS5839-9
- EN55103-1, EN55103-2
- BS5839-9, BS5588-8, BS60118-4
- Stainless Steel Option

**PRODUCTS**
- Up to 32 exchanges on the EVCS network
- Up to 256 lines
- Full monitoring of each line for faults
- Battery backup up to 24 h and 30 min alarm operation

**FEATURES**
- Hands Free Operation
- Flashing Status LED
- Duplex Speech
- Stainless Steel Option

**VERIFICATION**
- Monitored Handset
- Large High Contrast Display (4x20 Character)
- 12 Key Quick Dial Keypad
- Full Duplex System
- Up to Eight Masters Per System
- Directory Dial Function
- Controls Up to 256 Lines (32 VCX-8 Exchanges)
- 16 Character Unique Name Per Line
- Dual Network Ports
- Remote Powered

**VELOX ATCIE**
### FIRE ALARM CONTROL PANELS

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>VELOX 4200 - 4400 - 4800</td>
<td>Fire Alarm Systems</td>
</tr>
<tr>
<td>4200</td>
<td>1-2 loop (without glass door)</td>
</tr>
<tr>
<td>4200/LZ</td>
<td>1-2 loop (with glass door)</td>
</tr>
<tr>
<td>4200FT</td>
<td>1-2 loop (integrated with telephone and microphone)</td>
</tr>
<tr>
<td>4200NT</td>
<td>1-2 loop (integrated with telephone)</td>
</tr>
<tr>
<td>4200NT/TEL</td>
<td>1-2 loop (integrated with telephone and microphone)</td>
</tr>
<tr>
<td>4300</td>
<td>1-4 loop (without glass door)</td>
</tr>
<tr>
<td>44000/LZ</td>
<td>1-4 loop (with glass door)</td>
</tr>
<tr>
<td>4400NT</td>
<td>1-4 loop (integrated with telephone and microphone)</td>
</tr>
<tr>
<td>4400NT/TEL</td>
<td>1-4 loop (integrated with telephone)</td>
</tr>
<tr>
<td>4400NT/MP</td>
<td>1-4 loop (customized with smoke management control)</td>
</tr>
<tr>
<td>4400NT/SM</td>
<td>1-4 loop (customized with smoke management control)</td>
</tr>
<tr>
<td>4800</td>
<td>2-8 loop (without glass door)</td>
</tr>
<tr>
<td>4800/LZ</td>
<td>2-8 loop (with glass door)</td>
</tr>
<tr>
<td>4800NT</td>
<td>2-8 loop (integrated with telephone and microphone)</td>
</tr>
<tr>
<td>4800NT/TEL</td>
<td>2-8 loop (integrated with telephone)</td>
</tr>
<tr>
<td>4800NT/MP</td>
<td>2-8 loop (customized with smoke management control)</td>
</tr>
<tr>
<td>4800NT/SM</td>
<td>2-8 loop (customized with smoke management control)</td>
</tr>
<tr>
<td>4801</td>
<td>Loop driver card</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>VELOX 4030 - 4035 (ON-BOARD AND PORTABLE PRINTERS)</td>
<td>FIRE ALARM SYSTEMS</td>
</tr>
<tr>
<td>4030</td>
<td>On-board printer for 4200/4400 - Fitted</td>
</tr>
<tr>
<td>4031</td>
<td>On-board printer for 4200/4400 - Fitted</td>
</tr>
<tr>
<td>4032</td>
<td>External boxed panel printer for 4200/4400</td>
</tr>
<tr>
<td>4033</td>
<td>Space shrink wrap battery pack for 4031 printer</td>
</tr>
<tr>
<td>4034</td>
<td>Spare paper roll for 4031 printer pack of 10</td>
</tr>
<tr>
<td>4035</td>
<td>Portable Thermal Printer c/w re-chargeable battery &amp; leads</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>VELOX 4010 - 4020 (REMOTE DISPLAY AND CONTROL TERMINALS)</td>
<td>FIRE ALARM SYSTEMS</td>
</tr>
<tr>
<td>4010</td>
<td>Remote Display Terminal with standard network interface, 24V DC</td>
</tr>
<tr>
<td>4020</td>
<td>Remote Control Terminal with fault-tolerant network interface, 24V DC</td>
</tr>
<tr>
<td>4020/FT</td>
<td>Remote Control Terminal with fault-tolerant network interface, 24V DC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMIC PANELS (BOXED MMC AND EVACUATION CONTROL UNITS)</td>
<td>FIRE ALARM SYSTEMS</td>
</tr>
<tr>
<td>4727</td>
<td>100 zone panel mounted mimic for 4200/4400. Artwork required.</td>
</tr>
<tr>
<td>4728</td>
<td>100 way remote LED mimic enclosure type 1 (100 way). Artwork required</td>
</tr>
<tr>
<td>4729</td>
<td>Fault Tolerant 100 way remote LED mimic enclosure type 1 (100 way)</td>
</tr>
<tr>
<td>4731</td>
<td>100 way remote LED mimic enclosure type 2 (100 way)</td>
</tr>
<tr>
<td>4732</td>
<td>Fault Tolerant 100 way remote LED mimic enclosure type 2 (100 way)</td>
</tr>
<tr>
<td>4734</td>
<td>50 way network I/O controller boxed (type 2) (c/w psu)</td>
</tr>
<tr>
<td>4736</td>
<td>50 way fault tolerant network I/O controller boxed (type 2) (c/w psu)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMIC PANELS (LED INDICATORS AND SWITCH INPUTS FOR BOXED MMC UNITS)</td>
<td>FIRE ALARM SYSTEMS</td>
</tr>
<tr>
<td>4726/F</td>
<td>High intensity red LED for Boxed Mimic and Evac Control Units - Fitted</td>
</tr>
<tr>
<td>4726/V</td>
<td>High intensity yellow LED for Boxed Mimic and Evac Control Units - Fitted</td>
</tr>
<tr>
<td>4726/G</td>
<td>High intensity green LED for Boxed Mimic and Evac Control Units - Fitted</td>
</tr>
<tr>
<td>4731/2T</td>
<td>2 Position key switch trapped for 4745 and 4746 - Fitted</td>
</tr>
<tr>
<td>4731/2U</td>
<td>2 Position key switch un-trapped for 4745 and 4746 - Fitted</td>
</tr>
<tr>
<td>4731/2U/B</td>
<td>2 Position key switch un-trapped for 4745 and 4746 - Fitted</td>
</tr>
<tr>
<td>4734</td>
<td>Non-luminated push button for 4745 and 4746 - Fitted</td>
</tr>
<tr>
<td>4735/A</td>
<td>Illuminated (green) push button for 4745 and 4746 - Fitted</td>
</tr>
<tr>
<td>4735/G</td>
<td>Illuminated (green) push button for 4745 and 4746 - Fitted</td>
</tr>
<tr>
<td>4762</td>
<td>Mimic driven 10 way relay output card</td>
</tr>
<tr>
<td>4762/D</td>
<td>Mimic driven 10 way relay output card in din rail carrier</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMIC PANELS (KEY SWITCHES AND PUSH BUTTONS FOR 50 WAY NETWORK I/O CONTROLLER)</td>
<td>FIRE ALARM SYSTEMS</td>
</tr>
<tr>
<td>4700</td>
<td>100 way remote LED mimic driven (un-boxed)</td>
</tr>
<tr>
<td>4700/FT</td>
<td>Fault Tolerant 100 way remote LED mimic driven (un-boxed)</td>
</tr>
<tr>
<td>4705</td>
<td>50 way network I/O controller (un-boxed)</td>
</tr>
<tr>
<td>4705/FT</td>
<td>50 way fault tolerant network I/O controller (un-boxed)</td>
</tr>
<tr>
<td>4706</td>
<td>High Intensity LED &amp; 600mm Lead for Boxed Mimic and Evac Control Units</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>VELOX 2100 - 2200 (ANALOG ADDRESSABLE FIRE ALARM CONTROL PANELS)</td>
<td>FIRE ALARM SYSTEMS</td>
</tr>
<tr>
<td>2100</td>
<td>Single Loop Analog Addressable Fire Alarm Control Panel</td>
</tr>
<tr>
<td>2200</td>
<td>Two loop analog addressable fire alarm control panel</td>
</tr>
</tbody>
</table>

### ACCESSORIES

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>2202</td>
<td>RS232 communication card</td>
</tr>
<tr>
<td>2480</td>
<td>RS485 communication card</td>
</tr>
<tr>
<td>2019</td>
<td>TCP/IP communication card</td>
</tr>
<tr>
<td>2000-GUI</td>
<td>Graphical user interface utility</td>
</tr>
<tr>
<td>2000-RPS</td>
<td>Remote programming software</td>
</tr>
<tr>
<td>2000-PSU</td>
<td>Intelligent power supply unit</td>
</tr>
</tbody>
</table>

### POWER SUPPLY UNITS

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>4090</td>
<td>5A PSU &amp; charger (boxed - 7Ah battery capacity)</td>
</tr>
<tr>
<td>4091</td>
<td>5A PSU &amp; charger (boxed - 7Ah battery capacity)</td>
</tr>
<tr>
<td>4092</td>
<td>10A PSU &amp; charger (boxed - 17Ah battery capacity)</td>
</tr>
<tr>
<td>4093</td>
<td>5A PSU &amp; charger (boxed - 7Ah battery capacity)</td>
</tr>
<tr>
<td>4094</td>
<td>10A PSU &amp; charger (boxed - 17Ah battery capacity)</td>
</tr>
</tbody>
</table>

### CARDS & ACCESSORIES (NETWORK CARDS)

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>4420</td>
<td>Standard network card</td>
</tr>
<tr>
<td>4421</td>
<td>Fault-tolerant network card</td>
</tr>
<tr>
<td>4120</td>
<td>BMS/Graphics Interface card (standard network interface)</td>
</tr>
<tr>
<td>4121</td>
<td>BMS/Graphics Interface card (fault-tolerant network interface)</td>
</tr>
<tr>
<td>4124</td>
<td>P gateway with standard network interface (boxed)</td>
</tr>
<tr>
<td>4125</td>
<td>P gateway with fault tolerant network interface (boxed)</td>
</tr>
</tbody>
</table>

### CARDS & ACCESSORIES (PERIPHERAL CARD)

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>4042</td>
<td>2-way programmable relay output card</td>
</tr>
<tr>
<td>4048</td>
<td>8-way programmable relay output card</td>
</tr>
<tr>
<td>4148</td>
<td>8-way programmable relay input card</td>
</tr>
<tr>
<td>4060</td>
<td>Peripheral bus interface adapter</td>
</tr>
<tr>
<td>4061</td>
<td>Fire alarm routing interface card (monitored I/O)</td>
</tr>
<tr>
<td>4064</td>
<td>6-way relay card</td>
</tr>
<tr>
<td>4066</td>
<td>8-way relay card with 1.5A PSU boxed</td>
</tr>
<tr>
<td>4068</td>
<td>8-way sounder card</td>
</tr>
<tr>
<td>4063</td>
<td>4-way sounder card with 4A PSU boxed</td>
</tr>
</tbody>
</table>

### ZONAL LED INDICATOR

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>4081</td>
<td>20 zone LED card for 4100 (fitted)</td>
</tr>
<tr>
<td>4082</td>
<td>20 zone LED card for 4200/4400 (fitted)</td>
</tr>
<tr>
<td>4083</td>
<td>50 zone LED card for 4200/4400 (fitted)</td>
</tr>
<tr>
<td>4084</td>
<td>50 zone LED card for 4200/4400 (retrofit)</td>
</tr>
<tr>
<td>4085</td>
<td>100 zone LED card for 4200/4400 (fitted)</td>
</tr>
<tr>
<td>4086</td>
<td>100 zone LED card for 4200/4400 (retrofit)</td>
</tr>
<tr>
<td>4087</td>
<td>200 zone LED card for 4200/4400 (fitted)</td>
</tr>
<tr>
<td>4088</td>
<td>200 zone LED card for 4200/4400 (retrofit)</td>
</tr>
</tbody>
</table>
PARTS LIST

SOUNDER SPLITTER CARD
- 4070: 4-way sounder splitter card
- 4071: 4-way sounder splitter card with 4A PSU boxed

SOUNDER BOOSTER CARD
- 4072: 4-way sounder booster card
- 4073: 4-way sounder booster card with 4A PSU boxed

CARDS & ACCESSORIES (PROGRAMMING DEVICE)

PRODUCT CODE DESCRIPTION
- LOOP DRIVER AND ANALYZER
  - 40710: Addressable Loop Line Driver
- HANDHELD PROGRAMMING UNIT
  - 40700: Addressable Device Programmer

CONFIGURATION SOFTWARE

PRODUCT CODE DESCRIPTION
- 4000: Configuration software & lead
- 4001: Configuration software & USB upload/download lead
- 4002: Remote dial-up software (virtual panel)
- 4003: Graphical control software (single panel, compact version)
- 4004: Graphical control software (up to 10 node connection)
- 4005: Graphical control software (up to 99 node connection)
- 4006: Logo programming software

INTELLIGENT DETECTORS WITH & WITHOUT ISOLATORS

PRODUCT CODE DESCRIPTION
- INTELLIGENT DETECTORS WITH ISOLATORS
  - V100: Smoke detector with inbuilt short circuit isolator
  - V200: Smoke & heat detector with inbuilt short circuit isolator
  - V380: Heat detector with inbuilt short circuit isolator
- INTELLIGENT DETECTORS WITHOUT ISOLATORS
  - V1000: Smoke detector without inbuilt short circuit isolator
  - V2000: Smoke & heat detector without inbuilt short circuit isolator
  - V3800: Heat detector without inbuilt short circuit isolator

DETECTORS & ACCESSORIES

PRODUCT CODE DESCRIPTION
- 40900: Standard adaptor base for mounting detectors
- 40900-R: Standard base with internal relay
- 40900-S: Standard adaptor base with shorting clip
- 40900-DF: Deep adaptor base
- TMD01: Detector test magnet
- 40100: Dust cover
- 40110: Conduit adaptor

INTELLIGENT ADDRESSABLE SMOKE BEAM DETECTOR

PRODUCT CODE DESCRIPTION
- 40960: Intelligent Reflective Beam Smoke Detector
- 40960-80: Range Extension Kit up to 80 meter
- 40960-100: Range Extension Kit up to 100 meter
- 40960-MP: Mounting Plate for Beam Head or Single Reflector
- 40960-AM: Adjustable Wall Bracket

INTELLIGENT ADDRESSABLE DUCT DETECTOR

PRODUCT CODE DESCRIPTION
- 40961: Intelligent Addressable Duct Detector with Standard Base
- 40961-06: 0.6 meter Sampling Pipe
- 40961-15: 1.5 meter Sampling Pipe
- 40961-28: 2.8 meter Sampling Pipe
- 40961-BS: Installation Duct Detector Bracket
- 40961-SS: Duct Detector Spare Gasket
- 40961-D: Duct Detector Filter

ADDRESSABLE LOOP POWERED SOUNDER BASE

PRODUCT CODE DESCRIPTION
- 40200: 4 Tone Intelligent Addressable Loop Powered Sounder Base
- 40220: 32 Tone Intelligent Addressable Loop Powered Sounder/Flasher Base
- 40201: Silicon Base Cover for Waterproof protection

ADDRESSABLE SOUNDER & BEACON

PRODUCT CODE DESCRIPTION
- 40300: Intelligent Addressable loop Powered Wall Mounted Sounnder
- 40300-H: Intelligent Addressable loop Powered Wall Mounted Sounnder with Slow Whoop Red
- 40300-HW: Intelligent Addressable loop powered, Wall Mounted Sounnder with Slow Whoop White
- 40301: Intelligent Addressable loop powered, waterproof, Wall Mounted Sounnder
- 40320: Intelligent Addressable Loop Powered Sounder Flasher, Wall Mounted
- 40321: Intelligent Addressable Loop Powered, Waterproof, Sounnder / Flasher, Wall Mounted
- 40340: Intelligent Addressable Loop Powered Beacon

INTELLIGENT REMOTE INDICATOR

PRODUCT CODE DESCRIPTION
- 40280: Intelligent Addressable Loop Powered Remote Indicator
- 3680: Remote Indicator Connected to Detector Base

ADDRESSABLE MANUAL CALL POINT

PRODUCT CODE DESCRIPTION
- 40600: Intelligent Addressable Manual Call Point
- 40600-B: Intelligent Addressable Manual Call Point in Blue Color
- 40600-G: Intelligent Addressable Manual Call Point in Green Color
- 40600-W: Intelligent Addressable Manual Call Point in White Color
- 40600-Y: Intelligent Addressable Manual Call Point in Yellow Color
- 40601: Intelligent Addressable Manual Call Point Waterproof
- 40601-F: Intelligent Addressable Manual Call Point Installation Frame
- 40602: Intelligent Addressable Manual Call Point double action cover

SINGLE & MULTIPLE CHANNEL INPUT/OUTPUT MODULES

PRODUCT CODE DESCRIPTION
- SINGLE CHANNEL MINI INPUT/OUTPUT MODULES
  - 40100-M: Single input mini module
  - 40100-1: Single output mini module
  - 40002-M: Dual input (Form C) mini module
  - 40110-M: Single input/output mini module
  - 40102-M: Single input/dual output (Form C) mini module
- ANALOG ADDRESSABLE INPUT & OUTPUT MODULES
  - 40100: Single input module (4" x 4" wall mount)
  - 40010: Single output module (4" x 4" wall mount)
  - 40002: Dual output (Form C) module (4" x 4" wall mount)
  - 40110: Single input/output module (4" x 4" wall mount)
  - 40102: Single input/dual output (Form C) module (4" x 4" wall mount)
- SINGLE CHANNEL DIN RAIL MOUNT INPUT/OUTPUT MODULES
  - 40100-D: Single input module (DIN rail mount)
  - 40100-D: Single output module (DIN rail mount)
  - 40002-D: Dual output (Form C) module (DIN rail mount)
  - 40110-D: Single input/output module (DIN rail mount)
  - 40102-D: Single input/dual output (Form C) module (DIN rail mount)
- SINGLE CHANNEL MICRO INPUT/OUTPUT MODULES
  - 40100-U: Single supervised input module (micro module with flying leads)
  - 40101-U: Single supervised output module (micro module with flying leads)
  - 40004-U: Single Form C output module (micro module with flying leads)

VELOX ATESI

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## Parts List

### Multiple Channel Input/Output Modules

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>40404</td>
<td>4 input channels, 4 relay (Form C) output channels</td>
</tr>
<tr>
<td>40422</td>
<td>4 input channels, 2 supervised output channels, 2 relay (Form C) output channels</td>
</tr>
<tr>
<td>40602</td>
<td>6 input channels, 2 relay (Form C) output channels</td>
</tr>
<tr>
<td>40500</td>
<td>Conventional zone module</td>
</tr>
<tr>
<td>40510</td>
<td>Isolator Module</td>
</tr>
</tbody>
</table>

### Accessories

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MB100</td>
<td>Standard mounting box for modules</td>
</tr>
<tr>
<td>DMB100</td>
<td>Deep mounting box for modules</td>
</tr>
</tbody>
</table>

### Customizable Shop Interface

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IFU100</td>
<td>Customizable Shop Interface unit</td>
</tr>
</tbody>
</table>

### Fire Telephone System

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>VELOX 4000 SERIES / TEL</td>
<td></td>
</tr>
<tr>
<td>4200NT</td>
<td>1-2 loop fire alarm control panel integrated with fire telephone and microphone</td>
</tr>
<tr>
<td>4200NT/TEL</td>
<td>1-2 loop fire alarm control panel integrated only with fire telephone</td>
</tr>
<tr>
<td>4400NT</td>
<td>1-4 loop fire alarm control panel integrated with fire telephone and microphone</td>
</tr>
<tr>
<td>4400NT/TEL</td>
<td>1-4 loop fire alarm control panel integrated only with fire telephone</td>
</tr>
<tr>
<td>4800NT</td>
<td>2-8 loop fire alarm control panel integrated with fire telephone and microphone</td>
</tr>
<tr>
<td>4800NT/TEL</td>
<td>2-8 loop fire alarm control panel integrated only with fire telephone</td>
</tr>
<tr>
<td>VCM (MASTER HANDSET)</td>
<td></td>
</tr>
<tr>
<td>VCM</td>
<td>Vocal Master Handset (rackmounted with GREEN LCD display)</td>
</tr>
<tr>
<td>VCMW</td>
<td>Wall mount master handset in VoCALL Compact Case with Revision 3 software (No audio out, No active relay output) for connection to current exchanges</td>
</tr>
<tr>
<td>VCM-8 (LINE EXCHANGE)</td>
<td></td>
</tr>
<tr>
<td>VCMX-8</td>
<td>Eight line exchange</td>
</tr>
<tr>
<td>VCCS (COMPACT 5-LINE FIRE TELEPHONE)</td>
<td></td>
</tr>
<tr>
<td>VCCS</td>
<td>VoCALL Compact 5 Line Fire Telephone &amp; Disabled Refuge System</td>
</tr>
<tr>
<td>VCRHS - VCRUPP (ROAMING HANDSET &amp; TELEPHONE JACK)</td>
<td></td>
</tr>
<tr>
<td>VCRHS</td>
<td>Vocal Roaming handset</td>
</tr>
<tr>
<td>VCRUPP</td>
<td>Jack point PCB for installation into other plates as needed</td>
</tr>
<tr>
<td>VCRUP</td>
<td>Vocal single gang stainless Jack</td>
</tr>
<tr>
<td>TYPE A &amp; TYPE B (OUTSTATIONS FIXED HANDSETS)</td>
<td></td>
</tr>
<tr>
<td>VCFHP</td>
<td>Vocal Red flush push door handset</td>
</tr>
<tr>
<td>VCFHP-SS</td>
<td>Vocal Stainless Steel flush door handset</td>
</tr>
<tr>
<td>VCSHP</td>
<td>Vocal Red surface push door handset</td>
</tr>
<tr>
<td>VCSHP-SS</td>
<td>Vocal Stainless Steel surface door handset</td>
</tr>
<tr>
<td>VCSHF</td>
<td>Type B Vocal surface with Red Overlay</td>
</tr>
<tr>
<td>VCSHF-SS</td>
<td>Type B Vocal Stainless Steel surface</td>
</tr>
<tr>
<td>VCFH8</td>
<td>Type B Stainless Steel Bezel to flush mount VCSHF</td>
</tr>
</tbody>
</table>