VELOX 4010 - 4020

VELOX Repeater & Control Remote Terminal

Features

- Fully connected on the same 2 core VELOX network

- Programmable display information

- Up to 199 can be connected on the VELOX secure network

- Can provide full display & control over 1000 zones network wise

- Fully programmable via on-board alphanumeric keypad or PC configuration tool.

VELOX Apex Network Topology

The VELOX fire detection and alarm system, with its unique features reside at the apex of detection technology in the market.

The VELOX network of fire panels can integrate 200 panels over a 20Km peer-to-peer topology, sharing over 1000 zones of total 200,000 connected devices.

This massive network shall require intelligent remote controls that allows local decision to control virtually any device on the VELOX network.

The VELOX 4010 and 4020 is the answer for such challenge.

Control is Power

Both 4010 and 4020 shares the same looks, size and physical construction. Each of them can display all the message over the network on a peer-to peer topology. All the information displayed can be programed specifically as required by the operator, hence passing only the information critical to be remotely displayed.

The 4020 Remote Control Terminal however is superior with full control such as Reset, Silence, Resound Alarms or even Evacuate full or specific sector of the network, hence full cross panel control over the peer-to-peer network.

Explain the Power with an Example

Massive site with multiple buildings and many VELOX fire control panels connected on the VELOX network. With the 4020, the user may be allowed to silence and reset fires originated in their own building, however fires from other originated from other buildings can be displayed.

Other typical examples, the user can have full control on the network. VELOX extend the power of control to the user, allowing the full control when and where needed.

Network Connection Can't be Easier

The unique VELOX network can expand from 50 radial network up to 200 fully redundant network. This shall cater for both small to large network requirements.

The VELOX Remote Terminal is supplied with its own on-board network card connection, for enhanced simplicity.

Commissioning is Never Easier

The VELOX technology is built on customers' needs and demands. The on-board alpha numeric keypad and navigation keys, allows the user to configure the terminal on site without the need of additional equipment or software.

However, when needed, a PC configuration tool can be connected by the commissioning engineer as well, and make direct programming.

VELOX by ATEÏS

Zero Downtime

Each fire alarm panel or remote terminal on a redundant VELOX network is fully equipped with isolators to protect the integrity of the network. In case of any short or open on the redundant VELOX panel network, no terminal or panel shall be lost, which further enhances the network security.

Physical Construction and Assembly

The VELOX remote terminals are supplied with metal enclosures. The Remote Terminal operates on 24VDC, which can be supplied either locally, or via extra cores on the network cable. All the Remote Terminals have 2 level access to secure the operation, or can be provided via key-switch input.

Technical Specifications

Item	Specification Details
Display	Backlit 240 x 64 graphical LCD
LED Indicators	3 Red (2 x Fire, 1 x Alarm), 1 Green (Power) & 7 Amber (Fault & System)
Keypad	Alpha Numeric Keypad, Navigation Keys & on-board buzzer mute facility
Controls (4020 RCT only)	System Keys for Reset, Silence, Resound & Evacuate
Key-Switch Input	Optional Level 2 Access Enable key switch
Power Supply Input	24 VDC, 150mA (/FT: 188mA) Operating range 15-30V
External Supply Monitoring	Monitored External Fault Input
Number of Fire Zones	1000
Serial port	1 RS232 Onboard for PC connection
Programming	Via on-board Keypad or PC running Windows Tools
Enclosure	Steel IP30
Cable Entry	20mm Knock-outs. 4 x top and 4 x rear
Colour	RAL 7016 / Anthracite Grey
Size H x W x D mm	Enclosure: 218 x 300 x 44 Back Box only (when recessing): 218 x 300 x 30
Weight	2Kg
Metalwork Options	Semi Flushing Bezel, Special Finishes including Brass & Chrome

Order Codes

Part No.	Description
4010	Remote Display Terminal with standard network interface, 24V DC
4020	Remote Control Terminal with standard network interface, 24V DC
4010/FT	Remote Display Terminal with fault-tolerant network interface, 24V DC
4020/FT	Remote Control Terminal with fault-tolerant network interface, 24V DC