

VELOX VCX8

8 Line Exchange Unit Fire Telephone network



Description

The Fire Telephone (FT) network 8 line exchange unit is a small wall mounted unit which can be distributed throughout a site and concealed from view in convenient locations such as risers, stairwells and cupboards.

Using this system greatly reduces the cabling requirement and equipment 'on view' in key places such as reception areas, making the system aesthetically pleasing to the customer as well reducing the cost of installation.

Each network 8 line exchange unit sits on a data highway and is locally powered, with internal battery backup from a monitored, maintained sealed lead acid battery.

Up to 8 lines can be connected to each distributed exchange, and each line is fully monitored for open, short or earth faults. Up to 19, 8 line exchange units can be attached to a VELOX FT network master system giving a maximum system size of 152 independent lines.

The compact case is made from powder coated zinc and is fitted with 20mm cable knockouts for all cables needed and also provides space for the system backup 12V SLA battery.

Features

- Can control up to 8 independent monitored lines
- Built in monitored 1A charger for 12V SLA 5Ah batteries
- 12 status LEDs
- Dry contact for fault or 'in-use' indication
- Serial port for configuration or updates
- Dual network ports which provide power for the master handsets
- Full duplex system
- Compact design

Benefits

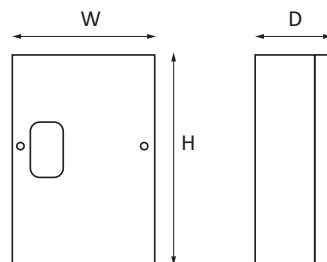
- LED indication, for effective & easy fault finding
- Fault or 'in-use' relay, can be connected to a fire panel or BMS
- Global configuration, upload information quickly via a PC using the serial port
- Up to 19 distributed units on any network, no central exchange rack required

*Requires connection to at least one master panel as part of a network

Technical specification

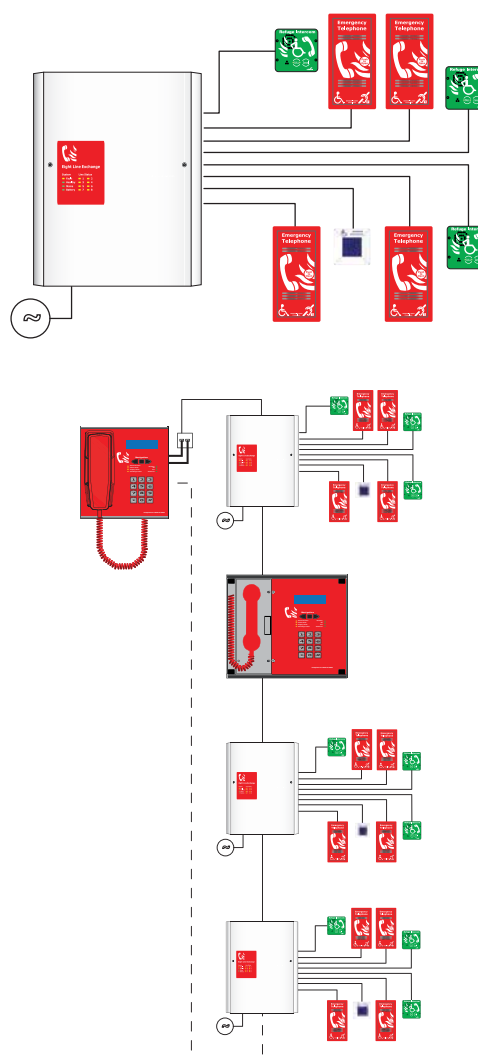
Product Description	FT Network 8 Line Exchange Unit
Power Supply	
Voltage	230V ac +/- 20%
Current	11mA
Battery	12V SLA 7Ah
Charger	1A controlled impedance
Monitoring	Open, short & high impedance cell
Outstation Cables	
Type	Fire rated (some installations will require enhanced cabling)
Cores	2 Core (1mm or 1.5mm) TWISTED PAIR
Cable (per Leg)	1 of 2 core soft skin (twisted for MICC)
Distance (per Leg)	500M soft skin types, 300M MICC
Monitoring	DC open, short & earth
Network Cables	
Type	Enhanced
Cores	1 of 4 pair (eg Draka 910245) 2 of 4 core 1mm CSA soft skin 4 of 1 pair MICC twisted
Distance	500M soft skin types, 300M MICC
Monitoring	Data and phantom voltage
Inputs	
Number of lines	8
Indication & Controls	
Fault LEDs	10x yellow (general, supply, 8 lines)
Status LEDs	2x green (ac & dc)
Settings	8 way DIP switch
Physical	
Construction	Zintec, Texture Powder Coated, RAL7032
Weight	1.6kg
Installation	
Mounting	Surface
Cable Entries	Top: 11 x Cable knockouts (20mm) Bottom: 1 x Cable knockouts (20mm)
Standard	
Certificate Number	
EMC	EN55103-1 & EN55103-2
LVD	EN61000-3-2 & EN61000-3-3 & EN60950
Product Family	BS5839 Pt9 & BS9999

Product Dimensions



Description	H (mm)	W (mm)	D (mm)
Surface Mounted	296	210	82

Typical application schematic



ORDER CODES

V CX8

FT Network 8 Line Exchange Unit