LexiComm

VoxIgnis

System Expander Panel

ViLX-EX8

All Lexicomm Emergency Voice Communications Systems (EVCS) are designed to comply fully with the requirements of BS 5839-9:2021 for use as a fire telephone system (FT), disabled refuge system (DRS) or as a combined system when both fire telephones and disabled refuge call points are required.

- Fully compliant to BS 5839-9:2021
- Integrated AssistCall with acknowledge meeting BS 8300-2:2018
- 1.2A integral PSU
- Full duplex operation
- Wall mount enclosure
- Full status indication
- Inbuilt networking

Overview

An EVCS is a fixed, secure, bi-directional, full duplex voice communication system to assist fire fighters during emergencies in high rise buildings or large sites where radio communication cannot be guaranteed to work due to interference from the fire corona.

The Lexicomm ViLX-EX8 system expander panel can accept up to eight lines of outstation, (Type A fixed phones, Type B refuge hands free points, emergency assist alarm point or jack points in Far East and Middle East applications) as required.

Lines are indicated by flashing red for EVC calls, flashing blue for AssistCall alarms, or flashing green for connected EVC calls as detailed in BS 5839-9:2021.

The ViLX-EX8 has inbuilt networking allowing it to form one of the 64 panels on a Lexicomm network installation allowing a total of 512 outstations to be accommodated. Each panel on the Lexicomm network can be a master station or ViLX-EX8 system expander.

The display on the front of the ViLX-EX8 gives the current call or fault status of each line of the local panel aiding fault finding.

The Lexicomm ViLX-EX8 is a self contained enclosure housing a display, one to four dual line cards, a 1.2A power supply & battery charger and is surface mounted, the small form factor makes it ideal for locating in electrical risers.

The case is made from powder coated zintec, with fourteen 20mm cable knock-outs provided for all necessary cables as well as space for the single 12V VRSLA backup battery required.

The system expander panel is configured from any master station on the system using a spreadsheet (excel or open office) and installed via an SD card.

Each line has three labels, one for Emergency Assist, one for EVCS and one for Fault text, each label is two lines of twenty characters.

Each Master station can be programmed to answer specific outstations on the ViLX-EX8, and these can differ from day to night.

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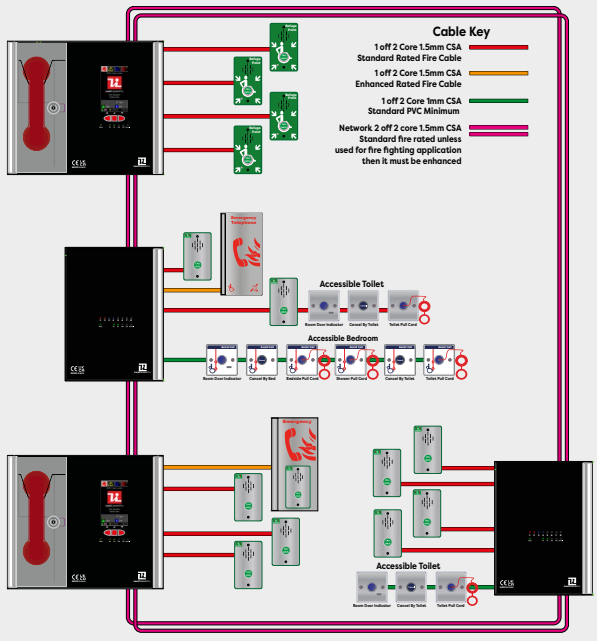
Technical Specification

Details	ViLX-EX8
Power Supply and Charger	
AC input	230VAC +/- 10% 50/60Hz
Internal supply	5V, 15V, 27V DC
Supply	Monitored Open, Short, Fuses, High Impedance
Protection	Deep discharge, Short, Thermal
Battery type	1 x 12V 7AH VRSLA
Mains fuse	240V 1A HRC
Battery fuse	750mA PTC
Charge current	680mA
Inputs	
Lines	2-8 in 2 line blocks
Remote enable	Short to use
End of line	10kΩ
Outstation Cables	
Type	**Cores** / **Distance from compatible panel**
Standard*/Enhanced	1 x 2 core radial 1mm or 1.5mm / 500m from master station
Outputs	
Number	2, Fault & In use
Type	Volt free relay
Contact	30V DC 1A
Controls	
Line LEDs	8, RGB
State LED	1, RGB indicator
Fault LEDs	3, PSU, System, General
Supply LEDs	2, AC ,DC present
Network Cables	
Type	**Cores** / **Distance from compatible panel**
Standard*/Enhanced	2 x 2 core loops, 1mm or 1.5mm (2C Data, 2C Audio) / 500m max between panels 3.5km max ring length

Details	ViLX-EX8
Standards Compliance	
EMC	EN 55035:2017+A11:2020 EN 55032:2015+A1:2020
LVD	EN IEC62368-1:2020+A11:2020
Product Family	BS 5839-9: 2021, BS 9999:2017, BS 8300-2:2018
Dimensions	
Height	300mm
Width	220mm
Depth	95mm
Weight	3.0kg
Part Numbers	
System Expander Panel	ViLX-EX8
Touchscreen Master	ViLX-TMS3

*Refer to BS 5839-9:2021 for exceptions

LexicommPro Network Schematic Example



MADE IN BRITAIN

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