

2 to 8 Line Master Station

ViLX-228N



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.

- Simple set up, no software
- Repeater compatible
- Fully compliant to BS 5839-9:2021
- Integrated Assist Call with acknowledge meeting BS 8300
- 1.2A integral PSU
- Full duplex operation
- Wall mount enclosure
- Lockable handset cover
- Expandable from 2 to 8 lines
- 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 plasma.

Repeater compatibility

The LX228N range of master stations is specifically designed where a repeater or 2nd master station is specified. They provide a simple solution with integral networking capability. They can provide a small network of 2 panels with lines split as 8-0, 6-2, or 4-4 ratio.

Note maximum of 8 lines total.

Outstation range

The full range of LexiComm outstations are compatible and include Type A outstations, Type B Outstations, Type C outstations and jack points for use in far and middle east applications. Lines auto identify by flashing Red for EVCS calls, Blue for assist calls or flashing Green for Connected calls as detailed in BS 5839-9:2021.

Emergency assistance Alarms

The Assist Call range of emergency assistance alarms is fully compatible. It has become very popular to add these devices as an integrated system. This has several benefits namely:- fault monitored wiring, fully line powered (No mains supply), battery back-up via the master station.

Assist Call acknowledgment

BS 8300 requires that audible and visual feedback should be provided to indicate that, when the alarm has been operated, the emergency assistance call has been acknowledged and actioned. Assist Call meets this requirement and will return to alarm if not reset within two minutes.

Larger sites

The LX228N range has built in networking, so can form part of LexiComm network on campus style sites.. A Touchscreen Master Station (ViLX-TMS-W-8) is required as the site master. Note the LX228N master can only answer local calls and cannot be used as a site master.

Product description

The LexiComm LX228N is a self contained enclosure housing a master handset, one to four dual line cards, power supply & battery charger and can be surface or flush mounted (using the ViLXCBZ Bezel). The case is made from powder coated zintec, with a smoked perspex door covering the handset. 20mm cable knock-outs are provided for all necessary cables as well as space for the backup 12V VRSLA battery.

The master station is microprocessor controlled, but requires no programming on site; the panel is fitted with end of line resistors which are simply moved to the end of line when an outstation is connected. Lines can have an accessible toilet and Type B refuge point on the same line, as the front panel RGB indicators identify which is calling, with refuge overriding emergency assist calls as required by BS 5839-9:2021.

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Technical Specification

Details		ViLX-228N
Power Supply and Charger		
AC input		230VAC +/- 10% 50/60Hz
Internal supply		5V, 16V, 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		400mA
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
Fault Relay		1x Volt free NC, Com 30VDC 1A
In Use Relay		1x Volt free NO, Com 30VDC 1A
Controls		
Buttons		8 Zone keys
Zone LEDs (x8)		RGB Status LEDs
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

Details		ViLX-228N		
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				
		Panel	Bezel	Cut-out
Height		300mm	350mm	305mm
Width		350mm	400mm	355mm
Depth		95mm	1mm	85mm
Weight		4.2kg		
Part Numbers				
0 Line Master Station		ViLX-228N-0		
2 Line Master Station		ViLX-228N-2		
4 Line Master Station		ViLX-228N-4		
8 Line Master Station		ViLX-228N-8		

*Refer to BS 5839-9: 2021 for exceptions

