

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 AssistCall with acknowledge meeting BS 8300-2:2018
- 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 LexiComm228N master station is specifically designed for situations where a repeater or 2nd master station is specified. It provides a simple two panel solution with integral networking capability, with lines split in 8-0, 6-2, or 4-4 configuration.

Note: maximum 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 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.

Emergency assistance Alarms

The AssistCall 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.

AssistCall acknowledgment

BS 8300-2:2018 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. AssistCall meets this requirement and will return to alarm if not reset within two minutes.

Larger sites

The ViLX-228N has built in networking, so can form part of LexiCommPro network on campus style sites. A Touchscreen Master Station (ViLX-TMS-W-8) is required as the site master. Note: the ViLX-228N master can only answer local calls and cannot be used as a site master.

Product description

The ViLX-228N 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 ViLX-CBZ 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 AssistCalls 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, 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		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 3.5km max ring length	

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

