

Solo 2 to 8 Line Master Station

ViLX-228S



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
- Standalone applications up to 8 lines
- Fully compliant to BS 5839-9:2021
- Integrated Assist Call with acknowledge meeting BS 8300-2:2018
- 1.2A integral PSU
- Full duplex operation
- Wall mount enclosure
- Lockable handset cover

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.

Ideal for standalone applications

The LexiComm228S master station is perfect for smaller installations of up to 8 lines. It requires no set up and is easy to install with a single radial circuit to each outstation.

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.

Product Description

The ViLX-228S is a self contained enclosure housing a master handset, one to four dual line cards, power supply and 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 share 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 assistance alarms as required by BS 5839-9:2021.

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ViLX-228S

Technical Specification

Details		ViLX-228S
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 VRLA	
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	

Details		ViLX-228S	
Controls			
Buttons		8 Zone keys	
Zone LEDs (x8)		RGB Status LEDs	
Fault LEDs		3, PSU, System, General	
Supply LEDs		2, AC ,DC present	
Standards Compliance			
EMC		EN 55035:2017+A1:2020 EN 55032:2015+A1:2020	
LVD		EN IEC62368-1:2020+A1:2020	
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			
2 Line Solo Master Station		ViLX-228S-2	
4 Line Solo Master Station		ViLX-228S-4	
8 Line Solo Master Station		ViLX-228S-8	

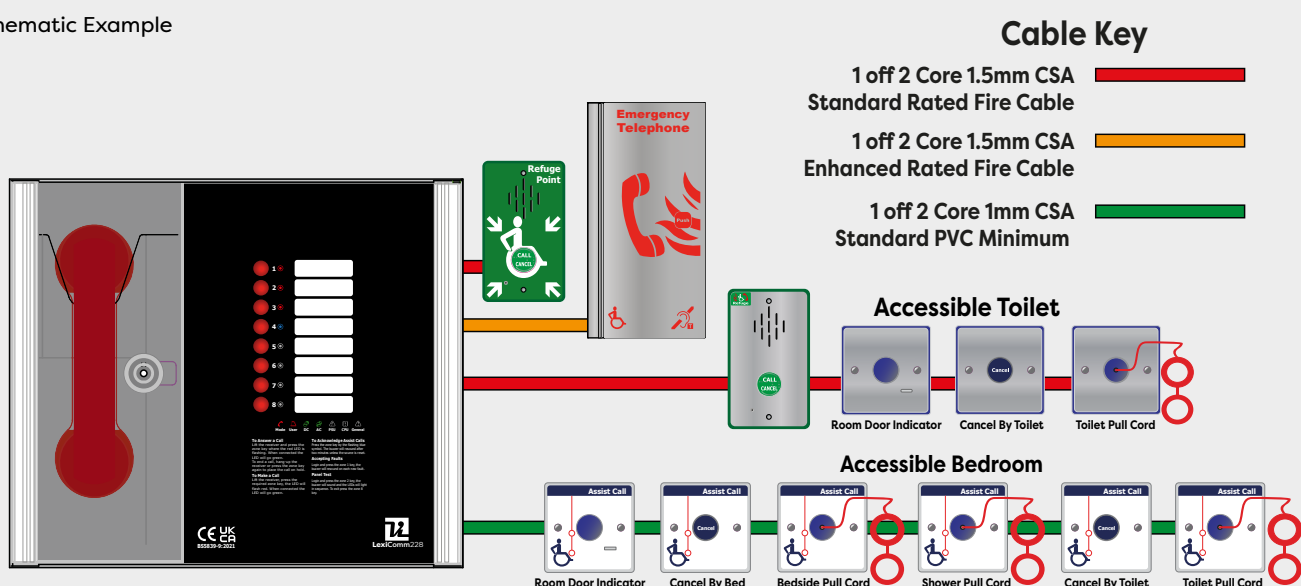
*Refer to BS 5839-9: 2021 for exceptions

Note: Maximum system capacity 8 lines.

Not compatible with ViLX-EX8 System Expander Panel.

Cannot be used with ViLX-228N Repeater Station.

Schematic Example



Document reference number: DViLX28S0001-03



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