



# EMERGENCY VOICE EVACUATION SYSTEMS (EVCS) 2-8 LINE MASTER STATION – STANDARD



**8-LINE  
STANDARD MASTER STATION**

## DESCRIPTION

All Technoswitch Emergency Voice Communications Systems (EVCS) are designed to comply fully with the requirements of BS 5839-9:2011 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.

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 Technoswitch Standard Master Station can accept up to eight lines of Outstation, (Type A fixed phones, Type B refuge hands-free points emergency assist call point or jack points) as required.

Lines auto-identify by flashing Red for EVCS calls, Blue for assist calls, or flashing Green for Connected calls as detailed in BS 5839-9:2011.

Assist Calls can be acknowledged by pressing the zone key (as required by BS 8300) and will return to alarm if not reset within two minutes.

The Master Station has built-in networking allowing it to form one of the 64 panels on a Technoswitch network installation, or allowing a repeater using another Master Station, where buildings have two points of control.

Starting at two lines, the Master Station is ideal for small buildings which are required to have an EVCS, but have a limited number of Outstations.

The Master Station is a self-contained enclosure housing a master handset, one to four dual line cards, an EN 54-4:A2 2006 power supply and battery charger that can be surface or flush mounted (using the VS-EVS-CBZ Bezel).

The case is made from powder coated zintec, with a smoked perspex door covering the handset. 20 mm cable knock-outs are provided for all necessary cables as well as space for the backup 12 V 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 5839-9:2011.

## FEATURES

- Compact Design
- Integrated Assist Call with Acknowledge Meeting as required by BS 8300
- 1.5 A EN 54-4:A2 PSU
- Full Duplex Operation
- Wall Mount Enclosure
- Lockable Handset Cover
- Expandable from 2 to 8 Lines
- Built-in Networking

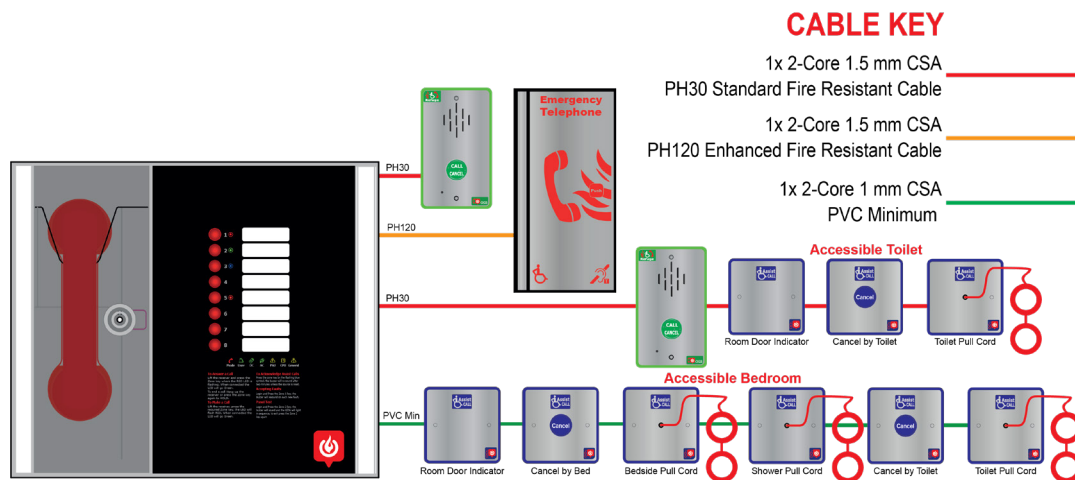
## APPROVALS

- Fully Compliant to BS 5839-9: 2011
- EMC: EN 55103-1, EN 55103-2
- LVD: EN 60065
- Product Family: BS 5839-9, BS 9999, BS 8300





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## SPECIFICATIONS

### Power Supply and Charger

AC Input	230 V AC +/- 10% 50/60 Hz
Internal Supply	5 V, 16 V, 27 V DC
Supply Protection	Monitored Open, Short, Fuses, High Impedance
Battery Type	Deep Discharge, Short, Thermal
Mains Fuse	1x 12 V 7 AH VRSLA
Battery Fuse	240 V 1 A HRC
Charger Current	750 mA PTC
	400 mA

### Inputs

Lines	2–8 in 2 line blocks
Remote Enable	Short to use
End-of-Line	10KΩ

### Outputs

Number	2: Fault & In Use
Type	Volt Free Relay
Contact	30 V DC 1 A

### 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	PH120 Enhanced Fire Resistant Cable
Cores	2x 2-core 1 mm or 1.5 mm
Distance	500 m

### Dimensions

	Panel	Bezel	Cut-out
Height	300 mm	350 mm	305 mm
Width	350 mm	400 mm	355 mm
Depth	95 mm	1 mm	85 mm
Weight	5 kg		

## ORDERING INFORMATION

### Product Code Product Description

VS-EVS-2282	2 line Master Station c/w 1x Dual Line Card Fitted*
VS-EVS-2284	4 line Master Station c/w 2x Dual Line Card Fitted*
VS-EVS-2288	8 line Master Station c/w 4x Dual Line Card Fitted*
VS-EVS-2280	0 line Repeater Station*

\*When ordering the model with **Stainless Steel Right Hand Facia**, add suffix “SS” to the model number, eg. “VS-EVS-2282SS”.

Please refer to the current Technoswitch Price List for all spares and peripherals.

• **DISCLAIMER:** Although the contents of our product literature have been prepared with the greatest care, Technoswitch can accept no liability whatsoever for any direct or indirect damages of any kind that may arise due to either errors or omissions in them, or amendments to products or other specifications following publication.

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