

- Complies Fully with BS5839 Part 9
- Vox Duplex Speech Paths
- Protected Against Open and Short Circuit Conditions
- System Control for up to 160 Outstations
- Standard Telephone Call Tone
- Network & Outstation Cabled 2 Core Loops
- Induction Loop Facility (optional)
- Disabled Toilet Alarm Facility (optional)
- Outstation LED Beacon Facility (optional)
- User 12 Button Numerical Keypad



The EVC40 is a state-of-the-art fire telephone and disabled refuge emergency voice communication system. Protec has designed the EVC40 to cater for the existing fire telephone market, stadium stewards telephone and also to offer a solution to the requirements of the Disability Discrimination Act. It features a bespoke two wire audio and data bus which minimises the wiring required for the system, whilst maintaining full addressability and monitoring. The system is fully compliant to BS5839 Part 9.

The Master Control Panel has been aesthetically designed to match our range of fire alarm panels.

The system is capable of driving up to 40 outstations per panel, and 4 panels can be networked together to give a total of 160 outstations.

The panel has 'All Call' and 'Group Call' facilities as standard.

The panel offers comprehensive user controls and easily replaceable colour coded text labelling format.

The panel can be programmed so that it is dormant until it receives a signal from the fire alarm system, preventing mis-use of the system. The panel also has two programmable volt free output contacts

Panels are also available in the following software versions, allowing the user to select a system tailored to their budget; EVC04, EVC08, EVC16, EVC24, EVC32.



**Emergency Refuge Outstation**

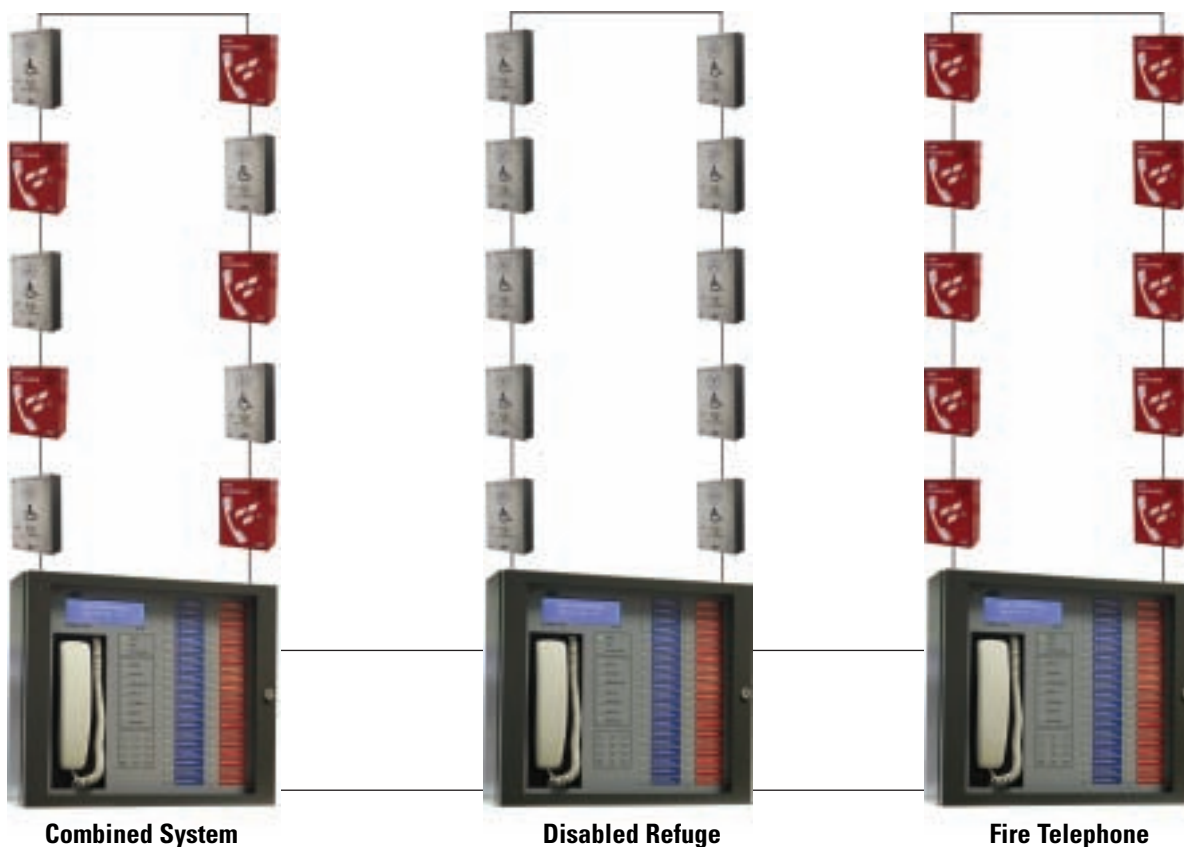


**Fire Emergency Telephone Outstation**

# Technical Specification

<b>Power Supply</b>	230 AC / 24V DC operation (battery support for 24hrs standby and 3 hrs continuous use)
<b>Integral Charger</b>	3A switch mode, temperature compensated
<b>Maximum Battery Size</b>	2 x 12V 18Ah
<b>Fault Indication</b>	By lamp, buzzer and LCD display
<b>LCD Display</b>	240 x 64 bit graphical
<b>Call Features</b>	'All Call' facility to outstations with a loudspeaker, 'Group Call' to selected units
<b>Microphone Frequency Response</b>	250Hz to 4kHz +/- 3dB
<b>IP Rating</b>	Outstations protected to IP33 (indoor) & IP65 (external with separate enclosure)
<b>Cable Type</b>	2 Core, enhanced grade, fire rated cable for loops and network
<b>Master Panel Dimensions</b>	Surface - 440(W) x 385(H) x 157(D)mm Flush - 440(W) x 385(H) x 119(D)mm (38mm will protrude from the wall as this is the depth of the lockable door.
<b>Emergency Refuge Station Dimensions</b>	Flush - 150(W) x 220(H) x 1.5(D)mm, Surface - 130(W) x 200(H) x 1.5(D)mm Backbox - 130(W) x 200(H) x 50(D)mm
<b>Fire Emergency Telephone Dimensions</b>	180(W) x 260(H) x 95(D)mm
<b>Maximum Loop Cable Length</b>	2km max with 2.5mm <sup>2</sup> cable, 1km max with 1.5mm <sup>2</sup> cable
<b>Temperature Range</b>	0 to 40°C
<b>Humidity Limit</b>	85% Non-condensing
<b>Maximum Loop Cable Capacitance</b>	0.27µf
<b>Maximum Loop Cable Resistance</b>	15Ω per conductor

## Typical Networked System



Company Policy is one of continuous improvement, we reserve the right to change specification without prior notice

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