



Key Features

Fully compliant to BS5839-9:2011



Designed and manufactured in the UK



Integrated assist call



Full status indication



Network and monitor up to 512 lines



Overview

All Crisis Emergency Voice Communication Systems (EVCS) are designed to comply fully with the requirements of BS5839-9:2011 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 Crisis EVC Expander Panel can support up to eight lines of outstation, including type A fixed phones, type B refuge hands free points, emergency assist call point or jack points in Far East and Middle East applications.

Expander panels have in-built networking allowing it to form one of the 64 panels on a Crisis EVC Network installation, and a total of 512 outstations can be accommodated. The display on the front of the panel gives the current call or fault status of each line of the local panel aiding fault finding.

The expander is a self contained enclosure housing LED indication, one to four dual line cards, an EN54-4:A2 2006 power supply & battery charger and is surface mounted, the small form factor makes it ideal for locating in electrical risers. The case is made from powder coated zintec, with fourteen 20mm cable knock-outs provided for all necessary cables as well as space for the single 12V VRSLA backup battery required. The system expander panel is configured from any master station on the system using a spreadsheet (excel or open office) and installed via an MMC card.

Tech Specs

Inputs

2 to 8 Outstation Lines (supplied as dual line cards)
Remote Enable: Short to use
End of Line Resistance: 10KΩ

Outputs

1 x VFCO Fault Relay, 30Vdc @ 1A
1 x VFCO 'In Use' Relay, 30Vdc @ 1A

Tech Specs

Standards	Compliant with: BS5839-9:2011, BS9999:2017, BS8300:2018 EMC: EN55103-1 and EN55103-2 LVD: EN60065
Controls	8 x Line LEDs, AC Power, DC Power, PSU, System and General Fault LED indication
Network	Enhanced (refer to BS5839-9:2011 for exceptions) *Cable Type: Data - 1 x 2-core 1.5mm Voice - 1 x 2-core 1.5mm Maximum Distance: 500m node to node *4-core cable must not be used for the network
Mains Voltage	230Vac +/- 10% 50/60Hz
System Voltage	5V, 16V, 27Vdc
Charge Current	400mA
Battery Capacity	1 x 12V 7Ah SLA (Max)
Weight	3kg (6.613lbs) Excluding Batteries
Dimensions (W x H x D)	220mm x 300mm x 95mm

Ordering Information

Part Number	Description
36-204	Crisis EVC Expander Panel, 8 Lines