

Compact 9 Line Master Exchange Unit



CFVCCM9 - Compact 9 Line Master Exchange Unit

Overview

The VoCALL compact 9 line master exchange unit (CFVCCM9) is ideal for small to medium sized installations which don't require the complexity of a full network solution.

This system comprises of the 9 line master exchange unit and up to 9 outstations (type A, type B, emergency assist alarms or in Far East and Middle East applications jack plates). Using the 10 line slave exchange unit (CFVCCS10) this system can be easily expanded to 19 lines.

This VoCALL Emergency Voice Communication System (EVCS) is designed to fully comply with BS5839 Pt9 (abb. Pt9) for use as a fire telephone system, disabled refuge call system or as a combined system when both fire telephones and disabled refuge points are required. The standard states that where both systems are fitted to a building these should form a single system.

An EVCS is a fixed, monitored and maintained, bi-directional, full duplex voice communication system to assist the orderly evacuation of disabled or mobility impaired people and enhance fire fighters communication during emergencies.

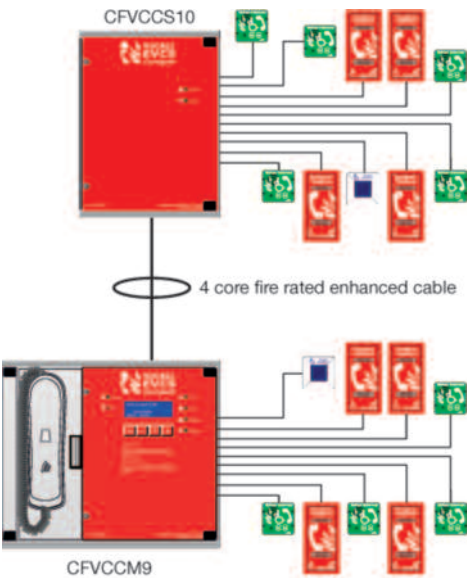
Features

- BS5839 Pt9 compliant
- EN54 Pt4:A2 power supply and charger
- 4 navigation keys
- 6 status LED's
- 4 line, 20 character LCD
- Full duplex system
- Simple menu programming
- Wall mount case

Benefits

- Up to 19 outstations, using 10 line slave exchange unit (CFVCCS10) the 9 line master exchange unit can be expanded up to 19 lines.
- In addition to type A and type B outstation the CFVCCM9 can also monitor emergency assist alarms (using a 2 core radial).
- 4 core fire rated enhanced cable used to connect exchange unit to the slave.

Full System Architecture



Technical Specification

Code	CFVCCM9
Description	Compact 9 Line Master Exchange Unit
Standards	EMC: EN55103-1 & EN55103-2 LVD: EN60950 Product Family: BS5839 Pt9 & BS9999
Power Supply	
AC Input	230V ac +/- 10% 50/60Hz
Internal Supply	14V dc
Supply and Battery	Monitored open, short, fuses
Protection	Deep discharge, short thermal, impedance
Battery Type	1 x 12V VRSLA (7Ah required)
Mains Fuse	240V 1A HRC
Battery Fuse	250mA PTC
Charge Current	250mA
Inputs	
Number of Lines	9
Remote Enable	Short to use
Outputs	
Number	2 (fault & in-use)
Type	Volt free relay
Contact	30V dc 1A
Controls	
Buttons	4 navigation keys
Display	4 lines, 20 characters
Status LED's	3 (in-use, healthy & energised)
Fault LED's	3 (line, PSU & general)
Outstation Cables	
Type	Enhanced
Cores	2 Core (1mm or 1.5mm)
Distance	500m
Physical	
Construction	Powder Coated Zintec
Dimensions (H x W x D)	300mm x 350mm x 90mm
Weight	6.5kg

Control and Design

The VoCALL compact 9 line master exchange unit (CFVCCM9) is a self contained enclosure housing a master handset, 9 line exchange, power supply, and battery charger. It can be surface or semi-flush mounted as standard.

The case is made from powder coated zintec, with a smoked perspex door covering the handset.

20mm cable knockouts are provided for all necessary cables as well as space for the backup 12V SLA battery.

The unit is microprocessor controlled, with simple menus, including a call log, fault log and change log, all accessible from the front panel navigation keys.

10 Line Slave Exchange Unit

The 10 line slave exchange unit (CFVCCS10) adds 10 additional lines to the compact 9 line master exchange unit giving a total of 19 lines available on a system.

Product Codes

Code	Description
CFVCCM9	Compact 9 Line Master Exchange Unit
CFVCCS10	10 Line Slave Exchange Unit