

VoCALL Network 8 Line Exchange Unit



The VoCALL network 8 line exchange unit is a small wall mounted unit which can be distributed throughout a site and concealed from view in convenient locations such as risers, stairwells and cupboards.

Using this system greatly reduces the cabling requirement and equipment 'on view' in key places such as reception areas, making the system aesthetically pleasing to the customer as well reducing the cost of installation.

Each network 8 line exchange unit sits on a data highway and is locally powered, with internal battery backup from a monitored, maintained sealed lead acid battery.

Up to 8 lines can be connected to each distributed exchange, and each line is fully monitored for open, short or earth faults. Up to 32 8 line exchange units can be attached to a VoCALL network master system giving a maximum system size of 256 independent lines.

The compact case is made from powder coated zintec and is fitted with 20mm cable knockouts for all cables needed and also provides space for the system backup 12V SLA battery.

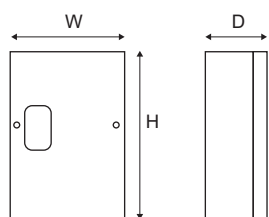
Features

- Can control up to 8 independent monitored lines
- Built in monitored 1A charger for 12V SLA 5Ah batteries
- 12 status LEDs
- Dry contact for fault or 'in-use' indication
- Serial port for configuration or updates
- Dual network ports which provide power for the master handsets
- Full duplex system
- Compact design

Benefits

- LED indication, for effective & easy fault finding.
- Fault or 'in-use' relay, can be connected to a fire panel or BMS.
- Global configuration, upload information quickly via a PC using the serial port.
- Up to 32 distributed units on any network, no central exchange rack required.

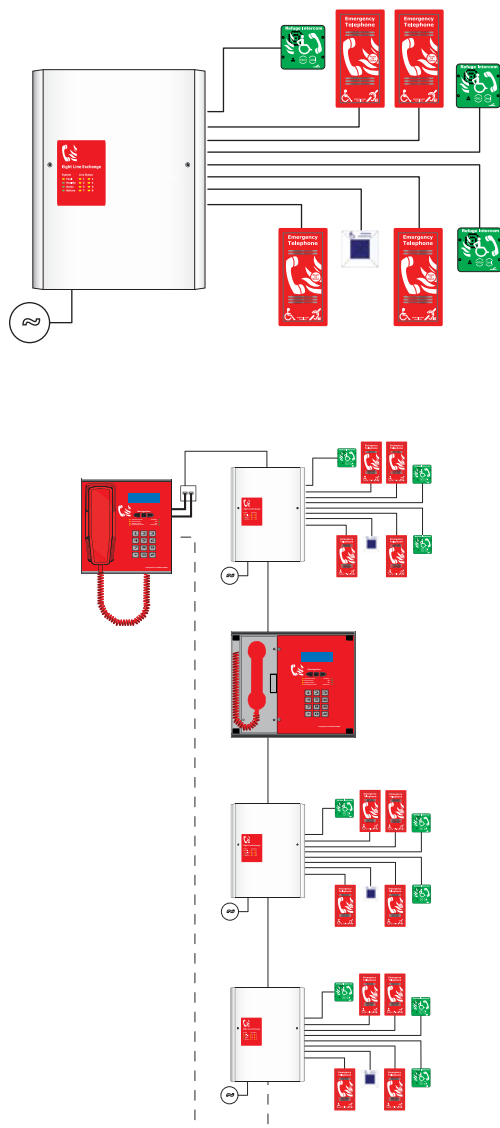
Product Dimensions



| Description | H (mm) | W (mm) | D (mm) |
|-----------------|--------|--------|--------|
| Surface Mounted | 296 | 210 | 82 |

| Standard | Certificate Number |
|----------------|-------------------------------------|
| EMC | EN55103-1 & EN55103-2 |
| LVD | EN61000-3-2 & EN61000-3-3 & EN60950 |
| Product Family | BS5839 Pt9 & BS9999 |

Typical Application Schematic



Technical Specification

| | |
|-----------------------|---|
| Product Description | VoCALL Network 8 Line Exchange Unit |
| Power Supply | |
| Voltage | 230V ac +/- 20% |
| Current | 11mA |
| Battery | 12V SLA 7Ah |
| Charger | 1A controlled impedance |
| Monitoring | Open, short & high impedance cell |
| Outstation Cables | |
| Type | Fire rated (some installations will require enhanced cabling) |
| Cores | 2 Core (1mm or 1.5mm) |
| Cable (per Leg) | 1 off 2 core (twisted for MICC) |
| Distance (per Leg) | 500M soft skin types, 300M MICC |
| Monitoring | DC open, short & earth |
| Network Cables | |
| Type | Enhanced |
| Cores | 1 off 4 pair (eg Draka 910245) 2 off 4 core 1mm CSA soft skin 4 off 1 pair MICC twisted |
| Distance | 500M soft skin types, 300M MICC |
| Monitoring | Data and phantom voltage |
| Inputs | |
| Number of lines | 8 |
| Indication & Controls | |
| Fault LEDs | 10 off yellow (general, supply, 8 lines) |
| Status LEDs | 2 off green (ac & dc) |
| Settings | 8 way DIP switch |
| Physical | |
| Construction | Zintec, Texture Powder Coated, RAL7032 |
| Weight | 1.6kg |
| Installation | |
| Mounting | Surface |
| Cable Entries | Top: 11 x Cable knockouts (20mm) Bottom: 1 x Cable knockouts (20mm) |

| Product Code | Product Description |
|--------------|-------------------------------------|
| CFVCX8 | VoCALL Network 8 Line Exchange Unit |