Fire Telephones & Disabled Refuge

EmerCall 8 Line Exchange 2752/002

Features:

- BS5839 Pt9:2003 compliant
- Controls up to 8 independent lines
- Mains powered
- Built in monitored 1A charger for 12V SLA batteries
- Full duplex audio
- Up to 32 exchanges per system
- Full line monitoring
- Serial port for configuration or updates
- Dry contact for fault or "in use" indication
- Dual network ports
- Provides remote power for ***EmerCall*** Master Handset 2472/001
- Twelve status LEDs
- Compact design for riser mounting

The ***EmerCall*** Emergency Voice Communication System (EVCS) is a fixed, secure, bi-directional, full duplex voice communication system to assist fire fighters in an emergency in high rise buildings or large sites where radio communication may not work, and covers the operation of both fire telephones and disabled refuge systems. Where both systems are fitted to a building BS5839 Part 9:2003 specifies these should form a single system.

The ***EmerCall*** EVCS comprises of three functional blocks, the master handset (***EmerCall*** 2572/001), the eight line exchanges (***EmerCall*** 2572/002) and outstation handsets (type A ***EmerCall*** 2572/003, 004, 005 & 006) with the quantities of these basic units being adjusted to suit the application.

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DATA SHEET

Using network communications combined with subscriber line telephone techniques, ***EmerCall*** provides large-scale cable savings, while not requiring a dedicated rack room to house a central exchange.

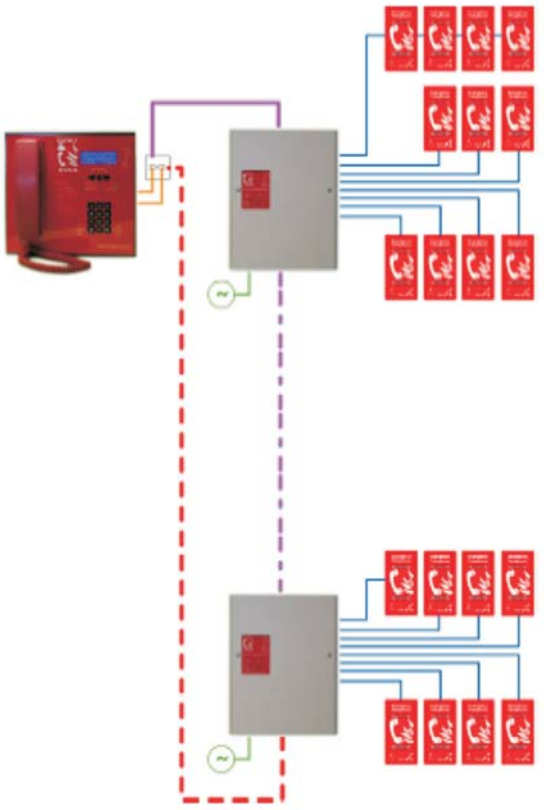
Each exchange unit sits on a data highway and is locally powered, with internal battery backup from a monitored, maintained sealed lead acid battery. Up to eight lines can be connected to each distributed exchange, and each line is fully monitored for Open, Short or Earth faults.

The network comprises of a line or ring of 8 cores (see schematic) each leg can be up to 500m depending on cable type. A ring topology is recommended by BS5839 pt 9.2003

Line cables consist of a single two core enhanced cable, either soft skin types or MICC and only 1mm^2 CSA is required.

Up to 32 ***EmerCall*** 2572/2002 Line Exchanges can be fitted to an ***EmerCall*** 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.



Physical	
Height	296mm
Width	210mm
Depth	80mm
Weight	1600g
Materials	Zintec, texture powder coated RAL 7032
Power Supply	
Voltage	230V AC±20%
Current	11mA
Battery	12V SLA 3.2AH
Charger	1A controlled impedance
Monitoring	Open, short & high impedance cell
Processing	
Architecture	AVR RISK
Clock	16MHz
Memory	4K RAM 20K EEProm 128K Flash
Monitoring	125ms Asynchronous Watchdog Checksum on EEprom & Flash

Network Cables	
Grade	Enhanced
Cable (Per leg)	1 off four pair
or	2 off four core 1mm^2 CSA soft skin
or	4 off 1 pair MICC twisted
Distance (Per leg)	500m soft skin types, 300m MICC twisted
Monitoring	Data & Phantom Voltage
Outstation Handset Cables	
Grade	Enhanced
Cable (per Line)	1off 2 core (twisted for MICC)
Distance (per leg)	500m soft skin types, 300m MICC twisted
Monitoring	DC open, short & earth
Indication & Controls	
Fault LEDs	9 off yellow (general, panel PSU, 8 lines)
Status LEDs	3 off green (AC & DC), healthy
Settings	8 way DIP switch
Standards Compliance	
EMC	EN55103-1, EN55103-2
LVD	EN61000-3-2, EN61000-3-3 EN60950
Product Family	BS5839-pt9, BS5588-pt8

For further information on how ADT can help you, contact your local office or phone free on 0800 010 999 or visit us at www.adt.co.uk

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