



## Fire Telephones & Disabled Refuge

### *EmerCall* Master Handset

#### 2752/001

#### Features:

- BS5839 Pt9:2003 compliant
- Monitored Handset
- Large High contrast display (4x 20 character)
- 12 key quick dial keypad
- Full Duplex System
- Up to eight masters per system
- Directory dial function
- Full System event log (fault and configuration)
- Controls up to 256 lines (32 *EmerCall* 2572/002 exchanges)
- 16 character unique name per line
- Dual Network ports
- Remote Powered
- Wall, desk or rack mount
- Eight status LED's

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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## SPECIFICATIONS

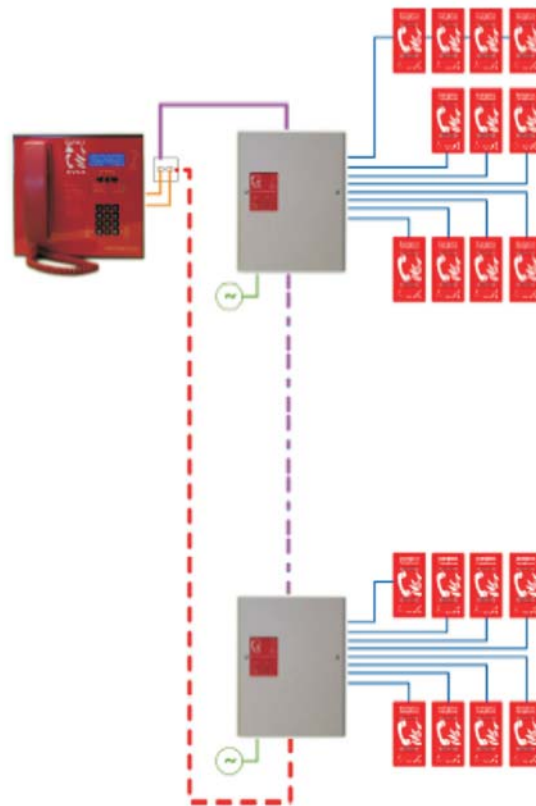
Using network communications combined with subscriber line telephone techniques, **EmerCall** provides large-scale cable savings, while not requiring a dedicated rack room to house a central exchange.

Control of the **EmerCall** Emergency Voice Communications System is simplicity itself, the master console has a clear four line backlit display which shows the calling outstation handset name in plain text, and calls can be made to outstation handsets by either dialling the number of the unit, or choosing the name from a text dialling directory.

The network comprises a line or ring of 8 cores (see right) each leg can be up to 500m depending on cable type. A ring topology is recommended by BS5839 pt 9.

In line with the recommendations of BS5839 pt 9 multiple master consoles can be fitted to **EmerCall** (up to eight) with lockouts operating when a console is in use.

The Stylish master console case is manufactured from brushed stainless steel with black aluminium rack wings and extruded aluminium guide rails, the case has been designed to mount directly on a wall or desk, or fitted into a rack using an optional mounting kit (occupies 6U of rack space).



Physical		
	Desk/Wall	Rack
Height	268mm	6U
Width	275mm	485mm
Depth	85mm	125mm
Weight	1490g	
Materials	Base:	stainless steel brushed
	Lid	Zintec, black powder coated
	Sides	aluminium, black powder Coated
Power Supply		
Source	Network port x 2	
Voltage	11V to 18V DC	
Current	88mA @ 12V	
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 <sup>2</sup> CSA soft skin or 4 off 1 pair MICC twisted
Distance (Per leg)	500m soft skin types, 300m MICC twisted
Monitoring	Data & Phantom Voltage
Indication & Controls	
Fault LEDs	4 off yellow (general, panel supply & exchange)
Status LEDs	4 off green (healthy, AC, DC & network)
LCD	High contrast blue/white LCD, four line twenty-character 5x8 pixel format
Keyboard	12 key telephone style
Navigation	3 keys (down/left, accept, up/right)
Standards Compliance	
EMC	EN55103-1, EN55103-2
Product Family	BS5839-pt9, BS5588-pt8
Options	
Rack mount kit	Part 2572/007

For further information on how we can help you please visit our website at [www.tycofis.com](http://www.tycofis.com) or e-mail us on [tycofis@tycoint.com](mailto:tycofis@tycoint.com). The right is reserved to modify or withdraw any product or service without notice. PSPV060TFIS Issue 1 March 2007 © 2007

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