



EVCS

Emergency Voice Communication System

Section: Miscellaneous

FEATURES

- **Fully monitored stand alone system**
- **Complies with BS5839 Part 9**
- **Fully addressable**
- **Duplex two way communication**
- **System flexibility**
- **Multiple line conversations**
- **Up to 8 master handsets**
- **Up to 256 outstations**

GENERAL

The Emergency Voice Communications System (EVCS) is 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.

Designed to comply with BS5839 Part 9 2003 the EVCS is a fixed, secure, bi-directional fully-duplex voice communication system, to

assist fire fighters within high rise buildings or large sites where radio communication may not be possible. Where both a fire telephone and disabled refuge system are fitted to a building BS 5839 Part 9 specifies these should form a single system.

The EVCS consists of three main components; the master handset (EVCS-MS), the exchanges units (EVCS-XC), and outstations (type A or type B as appropriate).

Control of EVCS is simplicity itself, the master handset has a clear, four line backlit display which shows the calling outstation name in plain text. Calls can be made to outstations by either dialling the number of the unit, or choosing the name from a text dialling directory, with conference calling possible.

Each Exchange unit connects to 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 can have up to four phones (BS5839 Part 9 recommends one phone per line, however this facility is required in some retro fits).

Two types of user outstation are available as described in BS5839 Part



9, Type A uses handsets, either flush or surface mounting. Type B outstations are hands free units with echo cancellation and noise reduction. All EVCS handsets have a 'T' coil for hearing aid users.

INSTALLATION

Master Handsets and Exchange units are connected on a single data highway consisting of 2 x 4 core fire rated cables. Up to 8 Master Handsets and 32 Exchanges may be connected to this highway. Master Handsets may be desk or wall mounted and has a 19" rack mounting option. Exchange units are supplied in a mild steel enclosure suitable for wall mounting.

Each Exchange unit has 8 outstation lines for connection of either Type A (telephone) or Type B (hands free) stations. These are connected to the Exchange unit with a 2 core fire rated cable.

This document is not intended to be used for installation purposes. Every care has been taken in the preparation of this document but no liability can be accepted for the use of the information therein. Design features may be changed or amended without prior notice. For more information, contact **NOTIFIER**, Charles Avenue, Burgess Hill, West Sussex, RH15 9UF. United Kingdom Phone: +44 (0) 1444 230 300 Fax: +44 (0) 1444 230 888

ISO9001
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Quality Systems Certificate No. 154
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SPECIFICATIONS

• Dimensions

Master Handset:

- ✓ 275mm (w) x 268mm (h) x 85mm (d)

Exchange:

- ✓ 210mm (w) x 296mm (h) x 80mm (d)

Type A Outstation - Surface:

- ✓ 150mm (w) x 300mm (h) x 75mm (d)



Type A Outstation - Flush:

- ✓ 180mm (w) x 320mm (h) x 75mm (d) Inc. bezel
- ✓ 160mm (w) x 300mm (h) x 75mm (d) (Hole)



Type B Outstation:

- ✓ 133mm (w) x 133mm (h) x 45mm (d)



• Electrical

- ✓ Voltage : 230V AC ± 20%
- ✓ Current : 11mA
- ✓ Battery : 12V SLA 3.2AH
- ✓ Charger : 1A Controlled Impedance

• Environmental Limits

- ✓ -5°C to 45 °C operating temperature
- ✓ 5% to 95% non-condensing relative humidity

• Weight

- ✓ Master Handset : 1490g
- ✓ Exchange : 1600g
- ✓ Type A Outstation – Surface : 1400g
- ✓ Type A Outstation – Flush : 1400g
- ✓ Type B Outstation : 1105g

ORDERING INFORMATION

Part Number	Description
EVCS-MS	Master Handset
EVCS-MS	Desk/Wall Mount.
EVCS-XC	8 Way Exchange Unit/Charger.
EVCS-HFL	Flush Outstation Lock Door Type A.
EVCS-HFP	Flush Outstation Push Door Type A.
EVCS-HSL	Surface Outstation Lock Door Type A.
EVCS-HSP	Surface Outstation Push Door Type A.
EVCS-HSB	Surface Outstation Type B.
EVCS-HLJ	Loose Handset with Jack Lead.
EVCS-WJP	Wall Jack Outlet Point.
Accessories	
EVCS-MS	EVCS-MS Flushmount Kit/Door.
EVCS-FM	EVCS-MS Rackmount Kit 6U.
EVCS-RM	

Wiring Diagram

