

# Sig-Com - Refuge Alarm for Disabled People in Public Places



For most people, a simple instruction like "please leave the building by the nearest available exit" can be acted upon quickly and easily. But for wheelchair users, the disabled and infirm, this isn't always the case.

Current Building Regulations recognise this and insist that all new non-domestic buildings with more than one storey provide 'refuge' areas – relatively safe places where people who cannot easily use fire escapes and evacuation lifts can call for assistance and wait until help arrives.

Simple, effective two-way communication in these areas is essential, firstly to assist rescue teams in determining where assistance is required and secondly to reassure people help is on the way.

Communication systems in refuge areas are known as Emergency Voice Communication (EVC) Systems. Their design and installation is governed by BS 5839 part 9

## ABOUT THE SIG-COM EMERGENCY VOICE COMMUNICATION SYSTEM

Sig-Com comprises two different types of central control equipment - a new low-cost all-in-one wall-mounting compact version which can handle up to 8 lines (expandable to 16) and a 16-128 line modular wall/desk mounting version. Both are typically located in a building's control room (or on smaller applications at a fire access point) where they allow management and/or the fire services to communicate via a telephone-style handset with the system's 'outstations'. Two types of Sig-Com outstation are available - Type A (fire telephone-style) and Type B (handsfree intercom-style). Both types of outstation connect to Sig-Com central control equipment using two cores of 1.5mm<sup>2</sup> enhanced fire rated cable of up to 1km in length.

## FIRE TELEPHONE AND/OR REFUGE SYSTEM



### FEATURES

- Meets and exceeds the requirements of BS 5839 part 9
- Ideal for all disabled refuge, fire telephone and stadium marshal applications
- Compact 1-8 line (expandable to 16) wall-mounting central control unit (above centre) saves valuable desk and floor space in crowded control rooms
- Type B stainless steel 'Disabled Refuge' outstations (above right) offer true duplex hands-free speech - flush, surface and weatherproof versions are available
- Type A 'Fire Telephone' outstations (above left) come in locking or non-locking red steel cabinets and offer true duplex speech - semi-flush, surface and weatherproof versions are available.
- 16-128 line wall/desk mounting central control equipment also available for larger systems
- Unique 'auto-learn' facility allows fast network set up
- All extensions can be named with user-defined text of up to 15 characters
- Fully monitored hardware and software
- System operates at 24 VDC. In the event of mains failure, operation can be maintained for 24 hours (standby) and 3 hours (in use) using 2 x 12V 7 Ahr batteries
- Optional line tester allows cable faults to be checked prior to equipment connection
- Ideal for hotels, shopping malls, office blocks, transport terminals, banks, sports stadia, entertainment complexes, auditoria, etc.



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## COMPACT 1-16 LINE CENTRAL CONTROL EQUIPMENT

Usually located in a building's control room or fire access point, our new CH/ECU-8 8 Line Master EVC Control Unit is supplied complete with line cards, a handset and a backlit liquid crystal display. It allows the operator to communicate with up to eight Type A or Type B outstations (any mix). An eight line expansion unit (the CH/ECU-8S 8 Line Slave EVC Expansion Unit) is also available to increase the system's outstation/line capacity to 16. Both units are designed to be wall-mounted.

CODE	DESCRIPTION
CH/ECU-8	8 Line Master EVC control unit (needs CH24/7 batteries)
CH/ECU-8S	8 Line Slave EVC expansion unit (max. 1 per ECU-8)
CH/AFP385	Grey flush bezel for ECU-8 or ECU-8S



## TYPE A 'FIRE TELEPHONE' OUTSTATIONS

Fire telephone and stadium marshal systems use 'Type A' telephone-style outstations. Sig-Com CH/THS1-E Type A Outstations comprise a telephone handset in a lockable red steel cabinet (right). They are typically located at entrances and fire-fighting lobbies to allow fire marshals to communicate with building control during an emergency. Their housings have openings which allow the phones to be heard and they are designed to be surface or semi-flush mounted using the CH/T-BEZ Bezel. A Type A outstation with a non-locking handle (the CH/THS1-EH) is also available.

CODE	DESCRIPTION
CH/THS1-E/MK4	Fire telephone EVC outstation, c/w handset & key
CH/THS1-ET/MK4	Fire telephone EVC outstation, c/w handset & T-Bar
CH/T-BEZ	Red flush bezel
CH/THS/MK4	Red desk mounted telephone ONLY



## TYPE B 'DISABLED REFUGE' OUTSTATIONS

Disabled refuge systems use 'Type B' handsfree intercom-style outstations. Sig-Com's new CH/EVC302 Type B outstations offer true hands-free duplex speech and allow anyone in a refuge area to communicate with building control at the touch of a button and vice versa. Attractively finished in brushed stainless steel, they include connections for an optional induction loop system for the hard of hearing and a general purpose output that closes on activation of the unit for the optional connection of strobes, CCTV activation relays, etc. Flush (CH/EVC302F) and surface (CH/EVC302S) versions are available together with an optional weatherproof enclosure.

CODE	DESCRIPTION
CH/EVC302F	Handsfree EVC outstation, stainless steel, flush
CH/EVC302S	Handsfree EVC outstation, stainless steel, surface
CH/BF359/1	Weatherproof enclosure for CH/EVC302F/S

## ACCESSORIES

### FITT Line Tester

Allows cable faults to be checked and cleared prior to equipment connection, greatly simplifying system commissioning.

CODE	DESCRIPTION
CH/FITT	EVC line tester
CH/CATCON	Adaptor box to convert fire-rated cable to Cat 5
CH/XSB	Blue xenon strobe 12V
CH/XSA	Amber xenon strobe, 12V
CH/SDM	Strobe driver module, 12V
CH24/7	24V Volt 7.2 Ahr SLA battery (2 x 12V incl. link wire)

