



# Disabled Refuge Call System LOOP or RADIAL (RS8)

CDC/L/RS8 (Loop) or CDC/R/RS8 (Radial) Revision 3, 10<sup>th</sup> August 2009

The central is fitted with illuminated momentary push switches for each of the Refuge area. When a call is requested the relevant indicator illuminates and the phone rings to attract the attention of an incoming call. The master handset is lifted and the illuminated switch pressed, thereby connecting the slave phone/hands free to the master. A normal duplex (phone) or semi duplex (loudspeaker) conversation can then take place. Replacing the handset cancels the call. Multiple calls are logged onto the control panel and taken at the discretion of the master. Up to '4' areas can be spoken to at the same time.



Dimensions: -	
Surface back box	400mm (H) x 500mm (W) x 100mm (D)
Flush back box	360mm (H) x 460mm (W) x 98mm (D)
Flushing Flange	410mm (H) x 510mm (W) x 1.0mm (D)

The system provides a simple means of connecting two locations with an independent telephone link, continuously monitored when not in use, and utilising a battery supported power supply, to allow compliance with the relevant sections of BS5839 Pt9 & BS9999.

The complete stainless steel finish is available in surface or flush mounting both with a glass lockable door.

Replacing the master handsets resets the call.

Alternative configurations permit the inclusion of additional visual call status indicators, to allow both audible and visual 'calling' signals to be generated, with a further facility for 'call registered' indicators to be provided if required.

The system is fitted as standard with anti-tamper, call on system, and fault relay contacts.

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In a quiescent state, the system is monitored for power supply failure and line damage, in addition to handset removal. A volt free changeover contact is provided for remote fault reporting. The batteries are contained in the central unit.

There are two wiring configurations :-

- '2' Core (Enhanced Fire Rated) **RADIAL** is routed from the central unit to the slave location.
- or a '4' Core (Enhanced Fire Rated) **LOOP** is daisy chained around as below.

**Typical schematic for a loop wired 8 line Disabled Refuge Call system**

