



Fire Telephone Call Systems LOOP (CDC16)

Revision 5, 1st August 2007



- 'Full Duplex Speech' Multi way monitored voice link.
- Battery supported 24V DC power supply.
- Conventional telephone 'ring' tones.
- External visual and audible calling indication states – option

Dimensions: -	
CDC 16 Surface Radial	600mm (H) x 520mm (W) x 170mm (D)
CDC 16 Surface Loop	600mm (H) x 520mm (W) x 200mm (D)
	Please call for custom control panels.

The central is fitted with illuminated momentary push switches for each of the Fire Telephone areas. 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 fire telephone areas can be spoken to at the same time, but only one hands free unit.

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.

In the simplest configuration, each handset automatically calls the other when lifted. Lifting the second handset and pressing the corresponding zone button will allow a normal **FULL DUPLEX** telephone conversation to take place.

Replacing both handsets resets the system.

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.

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.

In the simplest configuration, a 4 core + screen fire rated cable is wired from each loop node remote and daisy chained to the next. A short circuit loop node can be added to the system loop to give greater system redundancy in a fault condition.

Mains and batteries are contained in the central unit.



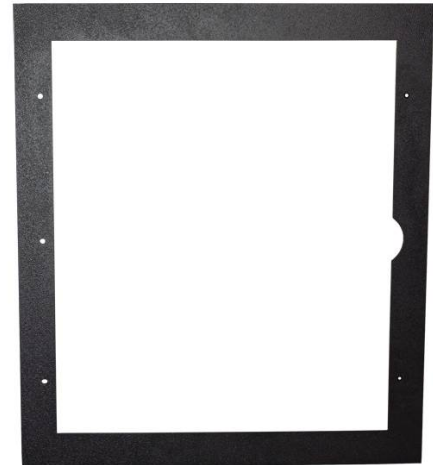
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The central station can be flushed if required. This is achieved by using the flushing bezel. It is simple to use and secured to the standard surface mounting back box supplied with all systems. Six fixing screws secure the bezel in place to the surface box. The stainless control panel is then secured via the four corner fixings as per usual.



Dimensions: -	
Flushing flange	432mm (H) x 452mm (W) x 10mm (D)
Back box behind flange	392mm (H) x 412mm (W) x 100mm (D)

The following remote units are available: -



A remote telephone handset outstation can be supplied. This can be provided in both surface and flush mounting (surface unit shown). This unit is finished in a red leatherette (BS4800 14E53) paint with a polycarbonate front label and houses a red handset. Operationally this unit is identical to our Disabled Refuge range. By simply lifting the remote handset a call is made automatically to the central control panel.

Dimensions: -	
Surface	332mm (H) x 182mm (W) x 96mm (D Top), 81mm (D Bottom)
Flush	372mm (H) x 232mm (W) x 1.5mm (D)
Back box behind flange	332mm (H) x 182mm (W) x 77mm (D)

A Fire telephone and disabled Refuge remote version can be supplied as an alternative to having two systems. Both flush and surface mounting units can be supplied. The surface unit has a white leatherette (RAL9001) mild steel back box. A call is made by simply lifting the remote handset (Grey). This will illuminate the switch on the master control panel as a conventional fire telephone call.



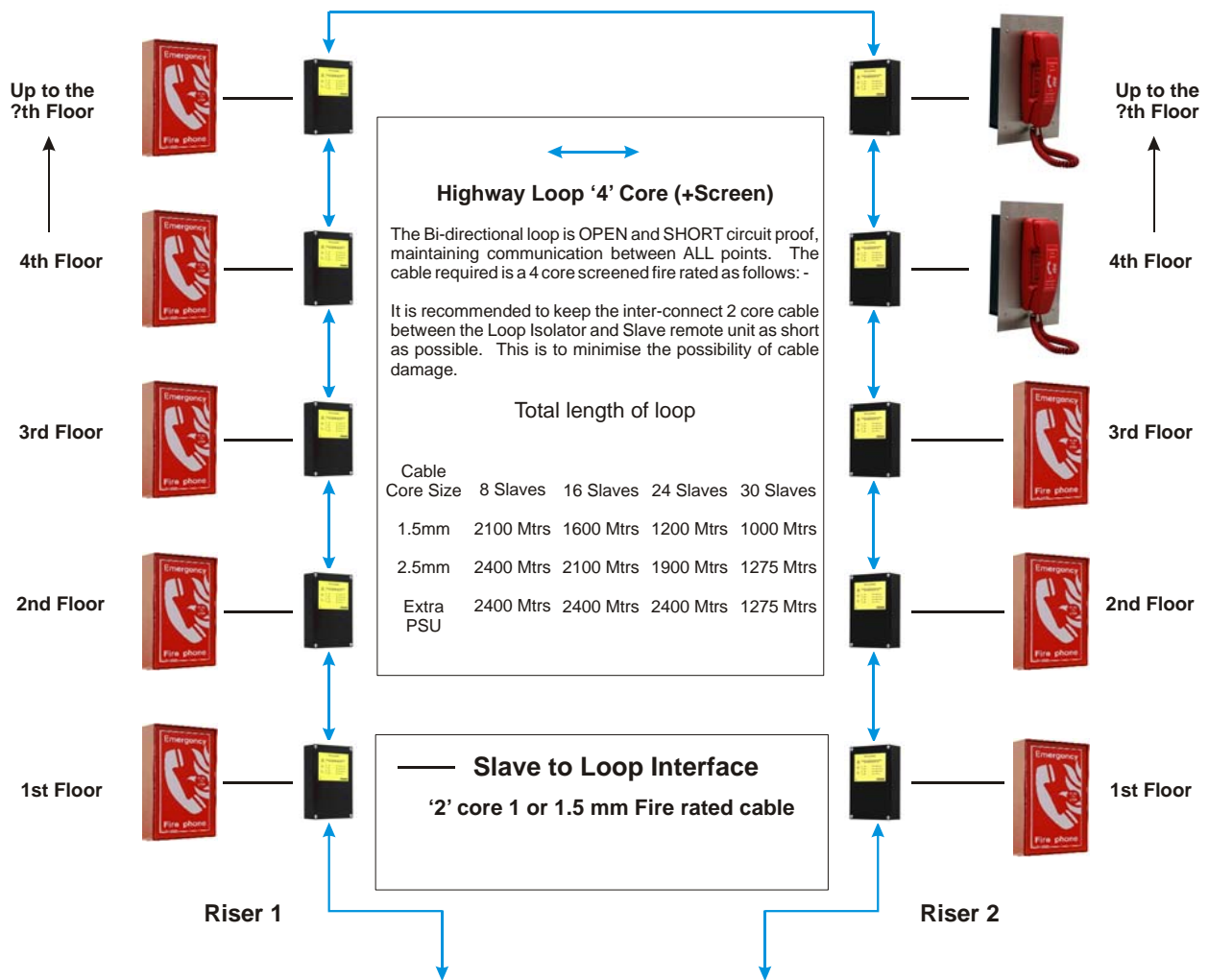
Dimensions: -	
Surface	332mm (H) x 182mm (W) x 96mm (D Top), 81mm (D Bottom)
Flush	372mm (H) x 232mm (W) x 1.5mm (D)
Back box behind flange	332mm (H) x 182mm (W) x 77mm (D)



For those executive office areas, a stainless steel option is also available. The plate is designed for flush installations only. Handset colours are available in Red (Shown) or Grey.

Dimensions: -	
Flush back box	230mm (H) x 155mm (W) x 50mm (D)
Stainless panel	260mm (H) x 185mm (W) x 3mm (D)

Typical schematic for a loop wired Fire Telephone Call system



Slave Remote Units

Dimensions

Surface	332mm (H) x 182mm (W) x 96mm (D Top), 81mm (D Bottom)
Flush	332mm (H) x 182mm (W) x 77mm (D)

