



Fire Telephone Call Systems RADIAL (CDC16)

Revision 4, 3rd September 2006



- '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 single pair is routed from the central unit to the master handset location and a single pair to the slave handset location. (Note: this pair can be daisy chained to 2 other slave locations if required).

Mains and batteries are contained in the central unit.

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.



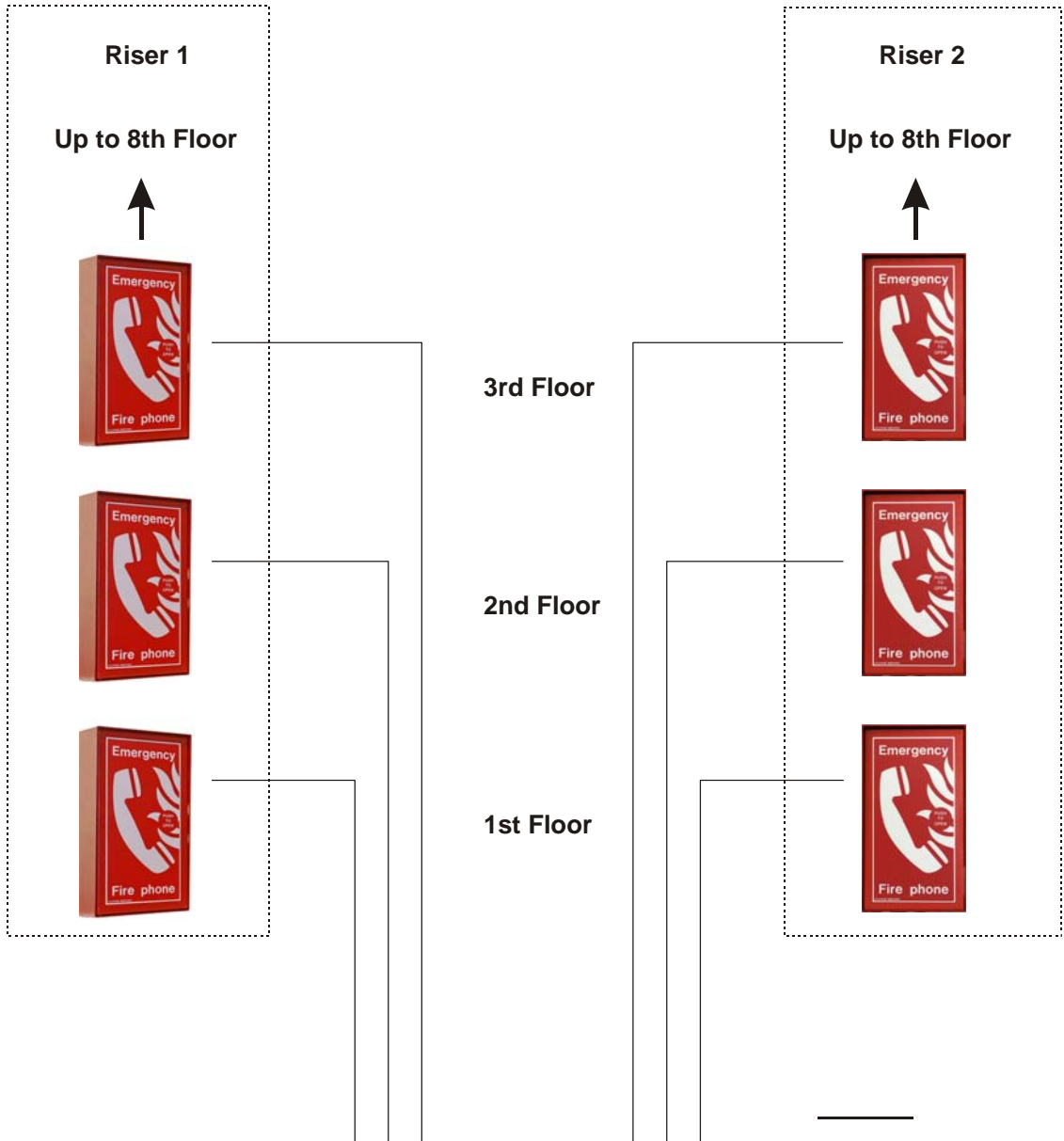
| | |
|------------------------|---|
| Dimensions: - | |
| Surface | 332mm (H) x 182mm (W) x 96mm (D Top), 81mm (D Bottom) |
| Flush | 372mm (H) x 232mm (W) x 1.5mm (D) |
| Back box behind flange | 332mm (H) x 182mm (W) x 77mm (D) |



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 16 line Fire Telephone Call system



2 core fire rated cable



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