

# refuge communication system

## with disabled toilet alarm



A refuge system provides a means of calling for assistance in the event of an emergency. A designated "safe area" isolates exiting occupants from the effects of smoke and heat during a fire or emergency situation. The communication system allows them to inform security of their location in the building and provides a safe haven until help arrives.

Most risk assessments show the need for a Refuge System, giving reassurance that the building management know of the occupants whereabouts during an emergency.

The primary function of the Refuge Communication System is to provide a voice link between two points in a building. When a call is generated at the refuge area, the central LCD display will sound and display the location of the incoming call. Pressing the "Talk" button at the central station will open the speech channel (loudspeaker) allowing a conversation to take place.



**stainless steel call point** – intercom points are located in designated refuge areas within the building, providing hands free communication for those requiring assistance. The units are manufactured from 1.5mm gauge stainless steel and feature a call button with integral illumination. The intercom point is fitted with a microphone and speaker, protected behind a stainless steel grille. Flush and surface mounted versions are available.

Dimensions: 170mm x 120mm.



**LCD display** – the intercom display unit reports all system activity and alerts management to the location of a call within the building. The unit features a 32 character LCD display with backlight and a microphone and speaker, allowing 2 way communication between the display and the intercom point. It is manufactured from 1.5 gauge stainless steel and can be flush or desk mounted.

Dimensions: 170mm x 170mm

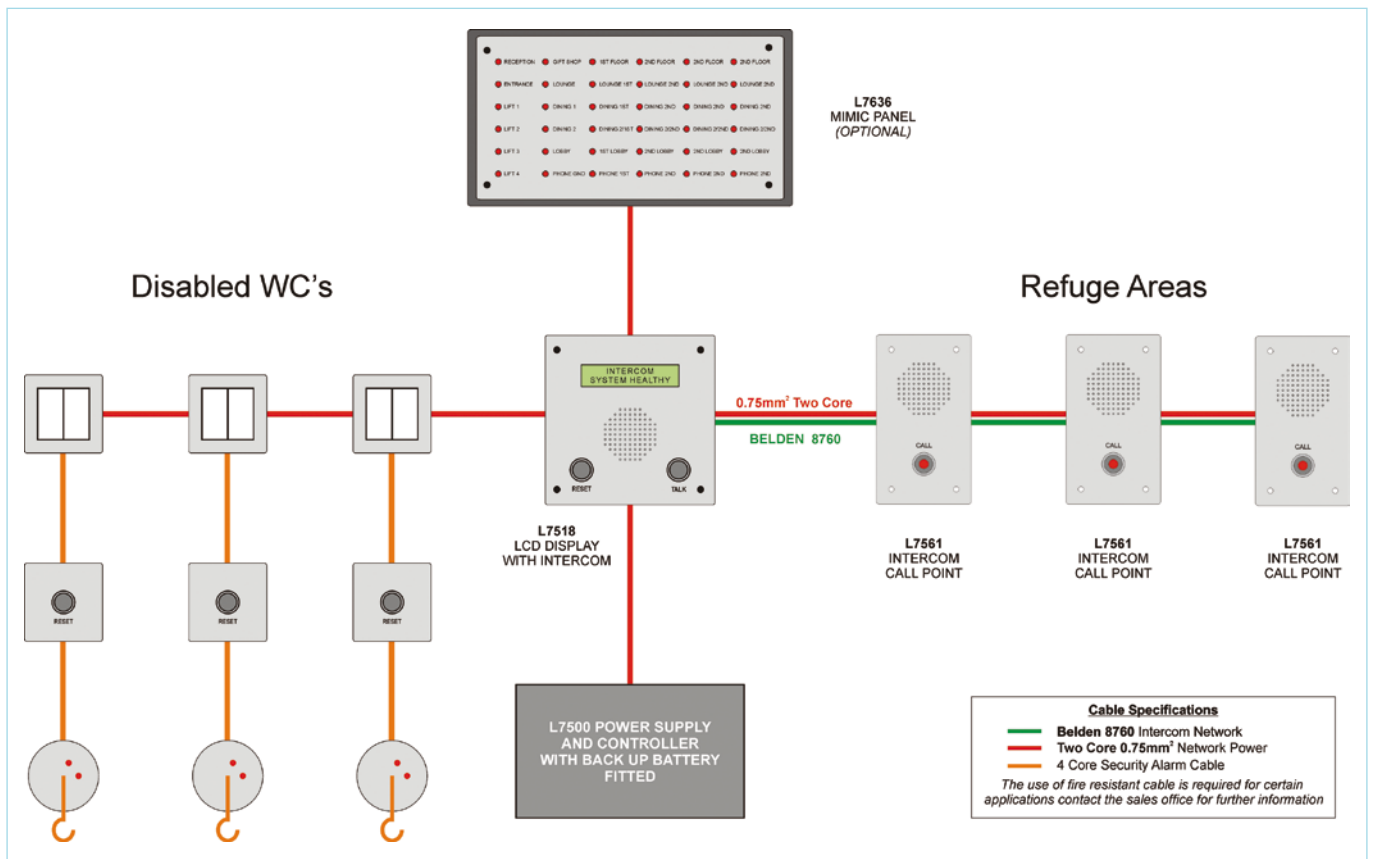


**mimic panel** – the mimic panel is usually located behind the reception desk or in a secure location. It features an array of single red LED's, each one representing a refuge point or location within the building. When a call is generated the mimic panel will display a visual indication of the call location. The mimic panel is made from 1.5 gauge stainless steel and can be custom engraved.



**power supply** – the power supply forms the heart of the refuge communication system. It provides all the system power and data logging output requirements. The enclosure can also accommodate a 12v battery. The power supply is monitored for both mains and battery faults. In the event of a mains failure, the LCD control panel will report the fault and the sounder will activate.

## typical system configuration



### main system features:

- 12v DC operation
- battery supported in the event of a mains failure
- two way speech
- simple daisy chained cabling
- hands free intercom for caller
- fully programmable text locations
- system fault monitoring and reporting
- easily expandable
- printer and data logger option
- connection to radio pagers
- full alphanumeric text
- graphical floor plan option

## disabled toilet alarms



A fully compliant disabled toilet alarm can be added to the system either as independent toilet alarms or as part of a multiple system utilising the central refuge station display. The alarm will alert staff that a call has been generated within the WC and provides a BS8300 compliant solution.

