



OmniCare Disabled Refuge Alarm System

An Emergency Voice Communication System

Features:

- Fully addressable digital communication system ensuring high quality audio clarity
- Fully monitored system ensuring it is always available when an emergency occurs
- Battery back-up - 24 hour quiescent plus 3 hours full use
- Slave panels can be added at alternative locations where required
- Loop cable configuration for ease and economy of installation
- Automatic system commissioning through a self-learning configuration feature

Disabled Refuge Alarm Systems

This emergency voice communication system can be used by disabled people when in commercial and public buildings. The system comprises an intercom facility that is designed specifically for the use of people who are physically handicapped. It enables them to easily communicate with key building management staff in the event of an emergency.

The requirement for this kind of system is being driven by the disability act (DDA) and health and safety legislation. Many new commercial and public buildings will require such a system to be installed.

OmniCare is simple to install and operate and in its basic configuration comprises just two main types of component.

- A master control panel
- A number of refuge remote stations for use by disabled people

OmniCare is wired in a ring circuit configuration which is self-learning through an auto-commissioning feature. This important feature saves up to 75 % on cabling costs compared to typical star wired systems. The system is installed using a 4-wire plus screen ring circuit to allow continued operation in the event of a cable break. Therefore, should part of a circuit be broken or damaged all the remote units continue to function normally.

Applications Include

Office Buildings, Shopping Centres, Airports, Car Parks, Universities, Leisure Centres etc.



features

Main Components and Typical Positioning



OmniCare has two main components; the master control panel and the remote units. The master control panel is typically wall mounted within a central building management room or reception area. The remote units are wall mounted in places such as refuge areas, stairwells, fallback positions, corridors and other 'gathering' locations. They are normally installed at a height and position easily accessed by wheelchair users or other disabled people. (Please refer to BS5839 part 9 for further details and recommended mounting heights).



Operation

Predefined areas or rooms within a building are designated "Refuge Areas" for the use of disabled people if an emergency situation arises that may require the building to be evacuated. Communication intercom units known as "Refuge Remote Stations" are installed in each of these areas. Once a disabled person activates one of these stations, it is classified as being "Occupied" and they are able to have a hands free intercom conversation with the person operating the control panel. Important information can then be conveyed; for example, is it a false alarm, are the lifts working? etc. The master control panel has a bank of LED indicators which individually illuminate when a refuge unit is in an "occupied" condition. Thus, the operator has a continuous overview of the condition of all refuge areas. The occupied condition is only cancelled when the disabled person has been evacuated to safety.



BS 5588 Part 8 and BS 5839 Part 9

These systems are designed in accordance with the latest Emergency Voice Communication British Standards; BS 5588 part 8 and BS 5839 part 9.

take a closer look

Control Panels

There are three standard sizes of master control panels that may be selected depending on the number of remote stations required.

- Mini Panels
8 to 32 Way
- Standard Panels
16 to 64 Way
- Large Panels
80 to 128 Way



Master control panels also function as repeater slave panels where required. Up to 128 panels can be linked together for use in one system. Panel indicators include: remote station in use/occupied, call, fault, charger and speech volume. All panels may be flush or surface mounted.

Refuge Remote Stations

The standard remote station comprises a small wall mounted unit finished in red. This station can also be supplied in a stainless steel finish if required.

A more advanced version finished in green has additional features such as luminescent raised text and Braille characters. A proximity induction loop is also included for use by people with hearing aids.



Different types of remote stations can be mixed on the same ring circuit according to the actual need in the area concerned. All remote stations derive their power from the system loop cable therefore no local power supply is required. Please refer to the installation manual for calculations of numbers of stations that may be accommodated on one loop.

Disabled Toilet Alarms



If required the standard ZETTLER® disabled toilet alarm kit may also be connected to the system. Stock code number 138.8000S. A wc alarm interface unit 131.4160 will also be required.

Cable

Fire rated cable is normally specified for disabled refuge systems. The use of enhanced colour coded four core cable with screen is highly recommended.

Stock Items

OmniCare:

131.4650	Omnicare Mini Master Control Panel - 8 Way
131.4660	Omnicare Mini Master Control Panel - 16 Way
131.4670	Omnicare Mini Master Control Panel - 32 Way
131.4680	Omnicare Standard Master Control Panel - 48 Way
131.4690	Omnicare Standard Master Control Panel - 64 Way
131.4700	Omnicare Large Master Control Panel - 80 Way
131.4710	Omnicare Large Master Control Panel - 96 Way
131.4720	Omnicare Large Master Control Panel - 112 Way
131.4730	Omnicare Large Master Control Panel - 128 Way
131.4740	Omnicare Mini Master Control Panel - 8 Way - Stainless Steel
131.4750	Omnicare Mini Master Control Panel - 16 Way - Stainless Steel
131.4760	Omnicare Mini Master Control Panel - 32 Way - Stainless Steel
131.4770	Omnicare Standard Master Control Panel - 48 Way - Stainless Steel
131.4780	Omnicare Standard Master Control Panel - 64 Way - Stainless Steel
131.4790	Rack mount kit for mini control panels (8-32 way)
131.4800	Rack mount kit for standard control panels (48-64 way)
131.4810	Omnicare remote call unit - red front plate / mounting box
131.4820	Omnicare remote call unit - stainless steel front plate / mounting box
131.4830	Omnicare refuge area disabled person remote unit - incl. flush mount box - tactile luminescent text front plate / Braille / induction loop
131.4840	Omnicare refuge area disabled person remote unit - incl. surface mount box - tactile luminescent text front plate / Braille / induction loop
131.4160	Remote repeater amplifier / disabled wc interface unit
131.4500	Plaster board flush box for red remote unit, red bezel, fixing accessories
131.4510	Plaster board flush box for stainless steel remote unit, stainless steel bezel, fixing accessories
131.4530	Flush mounting bezel, red, for refuge remote units
131.4540	Flush mounting bezel, stainless steel, for refuge remote units
131.4600	Flush mount bezel for master control panels - 16 to 64 way
131.4605	Flush mount bezel for master control panels - 16 to 64 way - stainless steel
131.4610	Flush mount bezel for mini master control panels - 8 to 32 way
131.4620	Flush mount bezel - stainless steel - for mini master control panels - 8 to 32 way
131.4630	Spare key for master control panels

For further information on how ADT can help you, contact your local sales representation or telephone 0800 1692 261 or visit us at www.adt.co.uk.

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