



Personal Safety Systems

Supernet Digital

In high-risk establishments the safety of the staff and residents is paramount, requiring an immediate response to any incident affecting personal protection. Our system is readily adaptable to the varying circumstances where such personal safety is required, such as prisons, hospitals or for lone workers.



Supernet Digital

The Supernet Digital system can be used in a wide variety of applications, such as Hospitals, Prisons and other Secure Establishments, or where there is a risk to lone workers on large industrial or commercial sites. The system can be designed with varying levels of sophistication, to meet the precise needs of the area in which it is to be installed.

Alarm Initiation

This can be in the way of pushbuttons, keyswitches and callpoints. In addition, the system can incorporate a wireless alarm segment, either as a separate system, or overlaid on the hardwired system for backup in high-risk establishments.

Text message for precise location

Once an alarm call has been triggered, the system will display the precise location with a text descriptor on the Supernet Digital control panel, which is generally located in the supervisor's office. As well as this, the system can be designed to have lamp and buzzer units to help locate the incident, and to ensure a quick, accurate response, we can also supply a high-visibility text message display, which can be read from 20 metres distance.

Alarm Prioritisation

The system can include different levels of alarm, requiring different responses. For example the input device could signal a Personal Attack, or a Nurse Call, or even a Door Status. Each type of signal can be displayed and outputs operated depending upon its importance.

Vandal Resistance

The standard alarm station uses a vandal-proof pushbutton with integral illumination. Pressing the button sends a signal to the Supernet Digital control panel, which in turn, sends a confirmation signal to illuminate the button, so giving the user confidence that the event is being acted upon. The pushbutton alarm stations include an addressable communications module, which minimises cabling costs, and is fully monitored.

The standard unit is supplied with a stainless-steel flush fascia, and there are a range of sizes to fit many different backbox styles. Surface-mounting pushbuttons, pull-cord switches and other special sizes can also be supplied. All units can be supplied with tamper-resistant screws for secure establishments.

Staff Alert Modules

As with the alarm initiation devices, there are a number of options. The basic units have a large, high-visibility LED, which illuminates to show the location of the alarm. Additionally, these units can incorporate an audible warning. They are also fitted with addressable modules to minimise cabling, therefore they can be programmed to your precise requirements, ensuring a speedy response to an incident.

Typically, they would be located in corridors outside the protected rooms, to guide staff. Allied to the text description from the Supernet Digital control panel, this makes the task of finding an incident much easier. These modules can be connected to the same cabling as the Alarm Stations, to reduce the installation costs.

Text Message Modules

The system can incorporate a high-visibility moving-message display, which repeats the text description from the control panel, and would typically be located in Supervisor areas or Control Rooms. With 50mm characters, they can be read from a distance. If there are multiple events, they are displayed sequentially. These units are also addressable, and each can be individually programmed to display any or all events from the systems.

Networking

In larger systems, the Supernet Digital control panels can be connected to form a network, so allowing events from many areas to be displayed. Networking means that each area can retain stand-alone autonomy, while ensuring that there is site-wide supervision and control.

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Radio Panic Systems

The Supernet Digital system is fully site-programmable, allowing the installer the freedom to tailor the operation to changing conditions or to expand it if required.



Technical Details

Cabling Requirements

All the addressable modules (whether Alarm Inputs or Lamp/Buzzers) can be connected onto the same 4-core cable, with 250 on one loop of cable. Each control panel can monitor 2 loops. Networking the panels requires a Supernet Network module, on a loop of 2-core twisted cable. 32 Supernet Digital control panels can be connected to the Network Loop.

Central Monitoring

For easy-to-use systems, a PC Graphics system can be connected to the system, to provide a floor-plan display with the initiating device(s) shown. The PC can monitor many Supernet Digital control panels if they are networked.

Wire-free Systems

There may be areas where cabling is not possible. This can be overcome by the use of our Radio Alarm Call Station, which can integrate with the wired system. Additionally, in high security areas, staff can carry a wireless Alarm button. This can be used if the Alarm Station is not within easy access. The system keeps track of the location of each staff member, and when activated, their whereabouts can be instantly verified and assistance rendered without delay.

Programmability

The Supernet Digital system is fully site-programmable, giving the installer the freedom to tailor the operation to changing conditions or to expand it if required. The text messages, the type of event, and the cause-to-effect programming can all be adjusted, using a PC programme to minimise time spent on-site. The System can be added into the PSS Supernet Network, and so link to FireQuest Control panels, Multiplexing Systems, and use the Remote Access facility, ensuring fully-integrated monitoring systems for any site.



Technical Outline

Supernet Digital Control Panel

Power Supply: 110/240v.a.c., to EN54-4

Size: 440w x 320h x 120d (mm)

Construction: Steel backbox and door

Colour: RAL9002 Grey-white semi-gloss

Maximum number of Alarm Points: 250

Outputs for Sounder circuits (3), Common alarm, Common fault

Alarm Stations - Styles:

Hardwired version

Flush or surface, with pushbutton, or illuminated pushbutton, vandal-resistant, IP65, tamperproof

Stainless steel finish (other finishes on request)

Hardwired with addressable module

Legended 'EMERGENCY ALARM' or 'NURSE CALL' (others on request)

Sizes (mm): 100 x 100 (single-gang) or 160 x 100 (double-gang) or to special size

Pull-cord version for Disabled Toilets etc.

Radio-linked version

Surface-mounting,

Operating frequency: 173.246 MHz

Indicator Units

Lamp-only or Lamp and Buzzer

Flush or surface, vandal-resistant, IP65, tamperproof

Stainless-steel finish (other finishes on request)

Sizes (mm): 100 x 100 (single-gang) or 160 x 100 (double-gang) or to special size

Moving Message Units

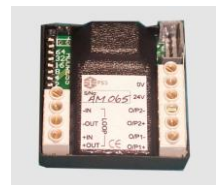
Surface-mounted, 40-characters

Text height: 50mm (5 x 7 LED) red

Integral 110/240 V.a.c. PSU with battery backup

Serial connection (2-wires) to Supernet Digital

Stainless-steel, with vandal-proof fixings



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