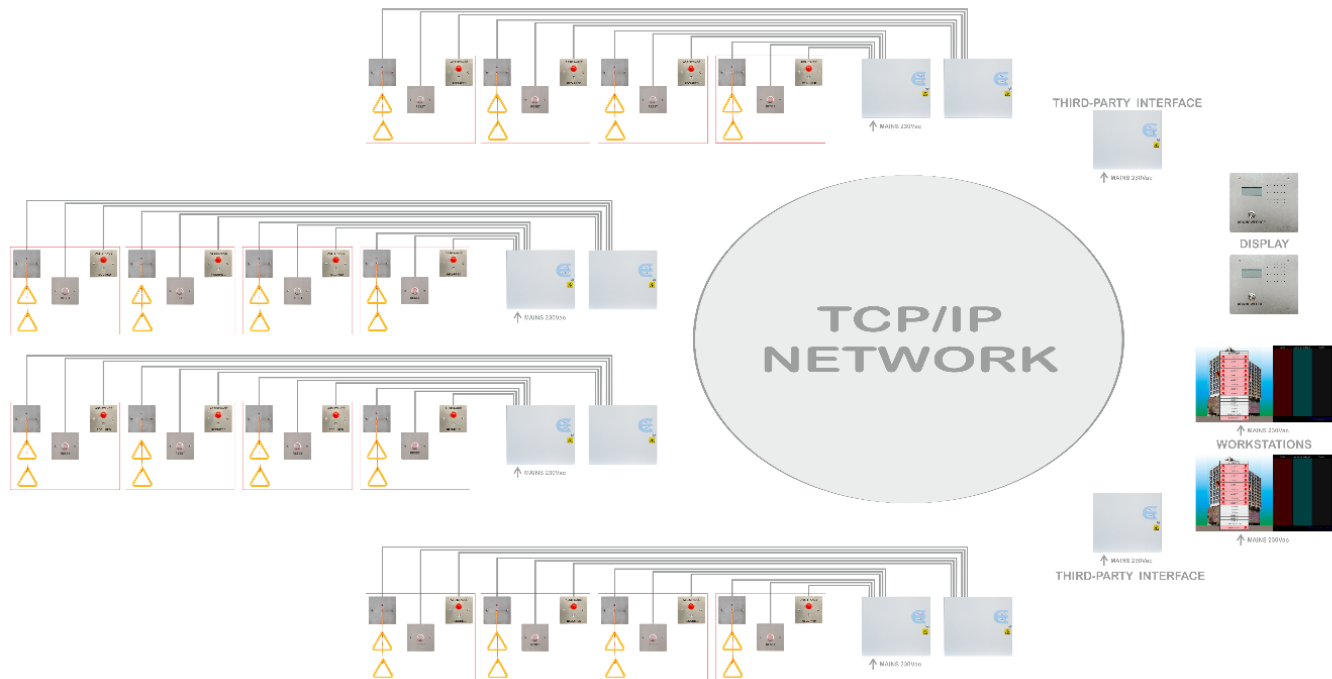# NP 7900-001 NIOSPro PRODUCT RANGE
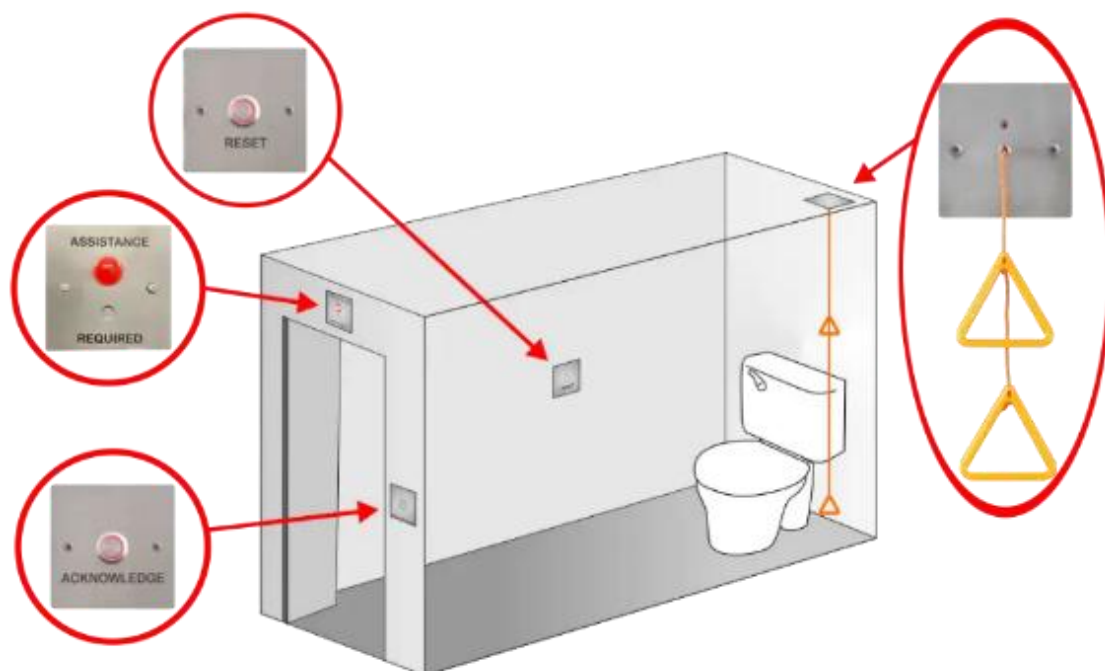
Folknoll NIOSPro Networked Alarm Monitoring

FOLKNOLL NIOSPro NETWORKED ALARM MONITORING

NIOSPro network alarm monitoring systems offer a great way to add remote monitoring to local alarm systems. NIOSPro comprises up to 200 alarms monitored by multiple remote Folknoll Displays and Workstations - ensuring alarms are reported where they can be seen. NIOSPro systems take advantage of existing network infrastructure to offer cost-effective solutions for **LARGE SITES,** including **OFFICES, HOTELS, HOSPITALS** and other **PUBLIC SPACES**.

NIOSPro ALARM ZONES

Our NIOSPro system is fully compatible with our huge range of pull cords, call buttons, alarm strips, panic buttons and other alarm devices, all of which can be customised to **match your requirements.**

NIOSPro ALARM CONTROLLERS

NIOSPro systems are built on Folknoll's all new NIOSPro alarm controller. Each controller manages an independent alarm zone, with connections for all zone field devices I/O, a network interface, fault monitoring with optional battery and mains monitoring.
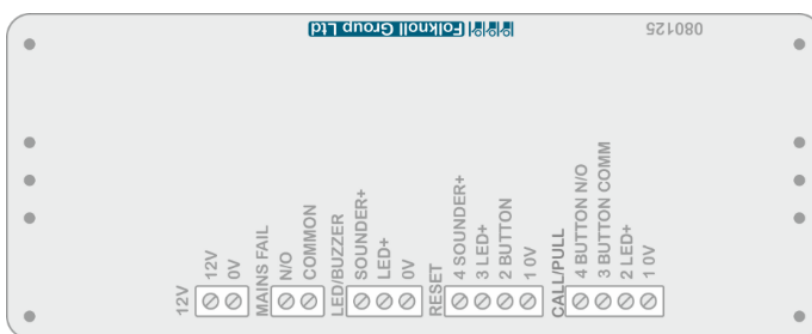
CONTROLLER HOUSINGS WITH BATTERY BACKUP

Alarm controllers are usually supplied in wall mount PSU enclosures mounted adjacent to the alarm zones. Our standard range includes 1, 2, 3 or 4 housings, offering up to 4 independent local alarm systems. Our standard PSU have provision for backup batteries to ensure local alarm systems will continue to operate local in the event of a network or mains failure. Offering **greater resilience** for when things go wrong.

FIELD DEVICE CONNECTION

Each independent controller has separate screw terminals blocks for all the major components of a Folknoll local alarm system. Folknoll alarm zones are designed so that all cables go back to the controller with separate cable chains for activators, annunciators and resets. **Simplifying installation, reducing costs**.

CALL/PULL AND ALARM-STRIP INTERFACE WITH FAULT DETECTION

Our controllers offer a special CALL/PULL interface with "end of line resistor" (EoLR fault detection). This feature enables NIOSPro to detect and report cable faults on the CALL/PULL cable **– improving reliability and providing reassurance**. This interface also offers an "intelligent" interface for our illuminated alarm strip / dado rail switches with automatic fault detection and illumination control. Strip illumination is used to indicate alarm and faults conditions (depending on alarm operating mode).
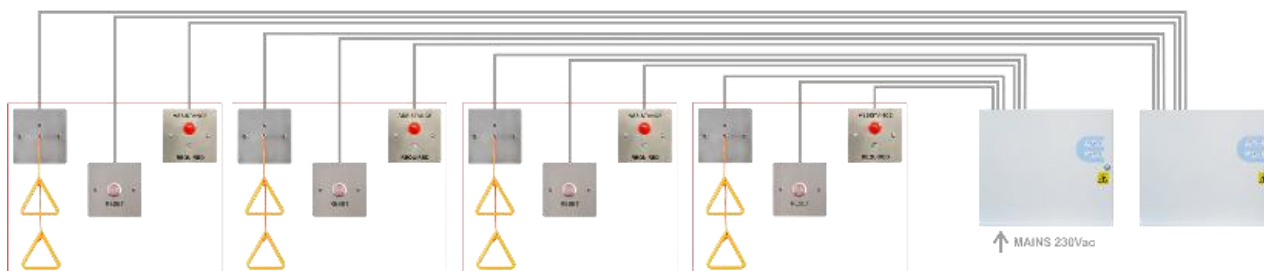
MORE BEACON SOUNDERS

The NIOSPro controller has upgraded LED+ and SOUNDER+ outputs to drive even more beacons and sounders (up to **3A dependant on PSU**)**.** So NIOSPro can easily support strobes / sirens and longer alarm-strips within the alarm zone.

NIOSPro NETWORK INTERFACE

Each controller has a separate network interface to integrate with the NIOSPro network system. Offering connection to a NIOSPro Displays, Workstations, for **BS 8300-2 / document M compatible indication and timed acknowledge.**

EXAMPLE 4-CHANNEL BS 8300-2 COMPATIBLE SYSTEM FOR DISABLED TOILETS, ETC.

NIOSPro DISPLAYS

The Display is the NIOSPro upgrade for our popular LCD indicator panels. The new Displays have a 4-line LCD showing the current state of the system and displaying meaningful descriptions of alarm and fault sources. The Display provides an acknowledge button, to acknowledge/accept alarms and initiate a timed acknowledge state in the activated alarm zone. The Display also offers a relay output that can be used to drive a Strobe or similar, to attract attention in the event on an alarm. Up to 20 Displays can be added to a NIOSPro system, configured to and report some or all alarms, **Allowing the division of the alarm system into sections -** so for example in a hotel, there could be one Display for the spa area only and another in reception for the spa and all other areas.

NIOSPro WORKSTATIONS

The new NIOSPro Workstation offers a user-friendly plan-based GUI. The Workstation is based on a "standard" Windows® PC and can be supplied in a format to suit to suit the target site, e.g. wall mount touch screen, desktop console, etc. Up to 20 Workstations can be added to a NIOSPro system and like the Displays they can report some or alarm alarms, to divide the system between separate operators. The Workstation has fully featured event log offering an **audit trail** providing re-assurance in the event of a dispute.

NIOSPro THIRD-PARTY INTERFACES

NIOSPro offers separate serial and digital interfaces for third-party equipment. Any from an industrial strobe/sounder to a BMS system can be integrated with our control system. These devices can be located anywhere on the network but are usually mounted close to the third-party systems. These interfaces offer alarm and fault states with remote acknowledge/accept/mute as required. They can even be configured to respond **to small groups of alarms** to offer "area" beacons, e.g. at the end of corridors.

NIOSPro SYSTEM SPECIFICATIONS

Max Alarm zones	200
Alarm modes	Emergency assistance
Max Displays	20
Max Workstations	20

NIOSPro WORKSTATION SPECIFICATIONS

PC	Windows® PC, format as required (AIO, NUC, desktop, etc.)
Storage	As required (log size, etc.)
Display	As required (touch screen, all mount, minimum true HD
Network	Configuration as required (in agreement with network admin)
Power	Mains, UPS as required

NIOSPro DISPLAY SPECIFICATIONS

Display	4-Line, LCD – shows alarm system state
Acknowledge button	Large, illuminated, vandal resistant, push button
NIOSPro integration	Yes, fully compatible. Alarm handling Synchronized with other NIOSPro Displays and Workstations
Remote monitoring	Configured NIOSPro alarms and faults
Local monitoring	Battery and mains
Faceplate	Stainless steel, brushed finish, back annotation (other finishes by request)
Dimensions	Width: 255mm, height: 160mm (approx.)
Flush back box	Mild steel, galvanized Width: 225mm, height: 150mm, depth: 50mm (approx.)
Surface back box	Mild steel, painted, black Width: TBA mm, height: TBA mm, depth: TBA mm (approx.)
Ethernet port	RJ45

ABOUT FOLKNOLL

We are a UK based systems design, manufacturing and installation company. Since 1975 we have been supplying tough, reliable, practical, alarm and control systems for the private and public sectors. All of our products and systems have been designed for easy installation and low maintenance by experienced engineers. As original manufacturers, all of our products and systems can be customised to suit your requirements. We also offer individual annotation, custom engraving and special finishes for all of our equipment.

GET IN TOUCH

Please contact us for further information about our wide range of products and services and find out how we can provide a solution for you.

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