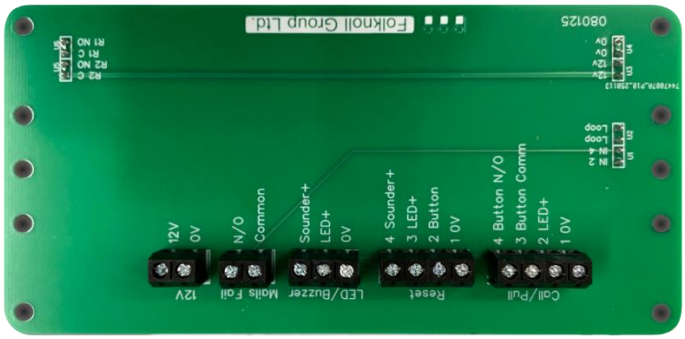
NP 7900-301 NIOSPro ALARM CONTROLLER

NIOSPro MONITORING SYSTEMS



SINGLE LOCAL ALARM CONTROLLER

All necessary I/O for local devices
(including illuminated alarm-strips)

Multiple operating modes

Optional remote monitoring over networks

Internal and external fault monitoring

CUSTOM FUNCTIONS

NIOSPRO MONITORING SYSTEMS

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**.

LOCAL ALARM CONTROLLER

Each NIOSPro controller implements an independent local alarm system. Our alarm controllers are compatible with our huge range of call buttons, pull cords, alarm-strips, beacon/sounders, acknowledge buttons, so we can offer a huge range of alarm systems to match your requirements. Controllers are usually supplied fully configured and mounted in wall mount enclosure complete with battery backed PSU and terminals for connection to local devices. Our standard range includes 1, 2, 3 and 4 controller PSUs offering 1 ,2, 3 or 4 local alarm systems. Other configurations are available by request.

BUILT-IN INTERFACES

The controller offers connections for common alarm functions including:

- **INPUTS** - for local alarm activation, reset, acknowledge and faults.
- **OUTPUTS** - for to control local beacons sounders.
- **SPECIAL INTELLIGENT ALARM-STRIP INTERFACE** - for connection to our range of illuminated alarm-strip / dado rail switches offering automatic fault detection and various modes of intelligent strip illumination control.

ACTIVATION DELAY

When used in conjunction with Folknoll emergency assistance alarms, this button must be held for a minimum of 0.25 seconds before it will operate. Reducing the risk of accidental operation.

FAULT MONITORING

Mains and battery low fault alarms are made available for reporting by operator workstations and other NIOSPro devices.

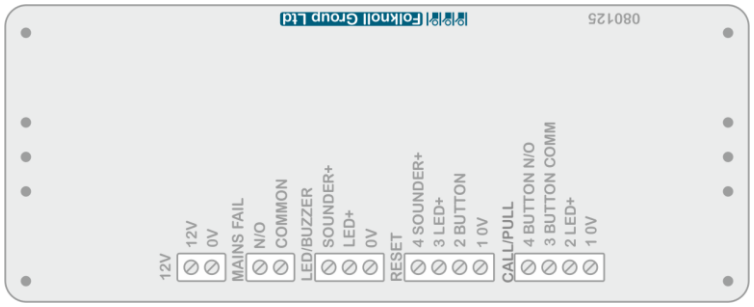
OPTIONAL NETWORK INTERFACE

Our optional network interface board offers connection to remote NIOSPro network devices for remote monitoring and of alarms and faults. - ensuring **alarms are reported at locations where staff are available** to provide a response.

DTA BREAKOUT BOARD

Breakout adapters are usually added to the alarm controller assembly offering screw terminals for all emergency assistance field devices.

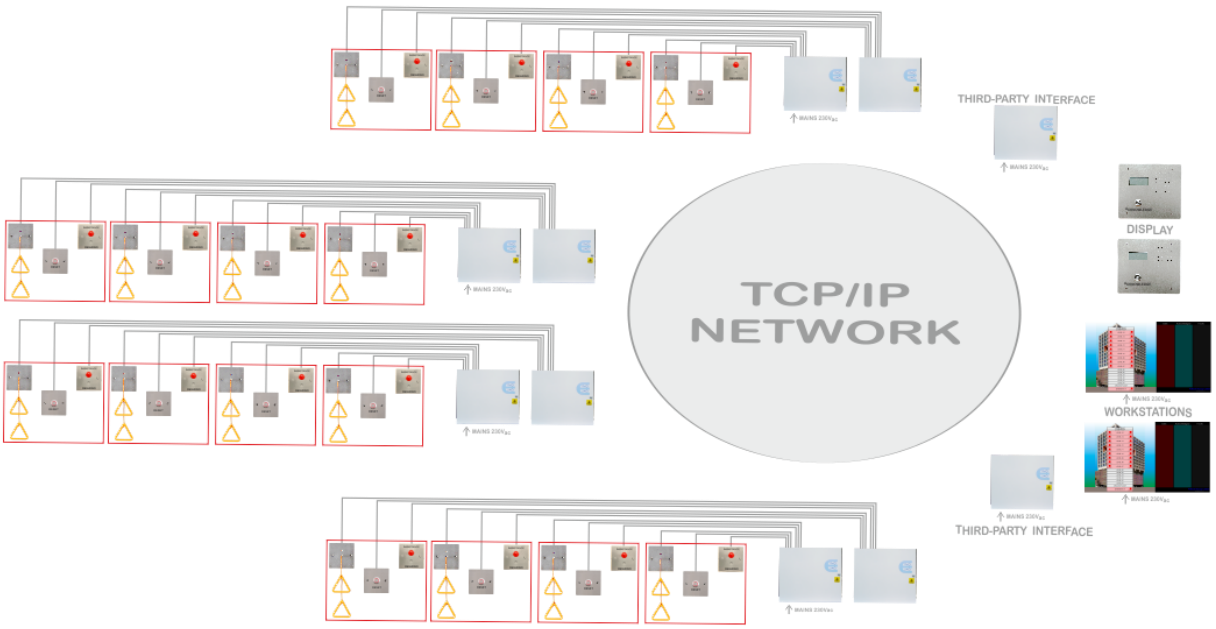
Reducing costs – by simplifying installation.



WALL MOUNT PSUS (NIOSPRO-SVR RANGE)

These units are usually supplied as a complete single channel alarm controller assemblies with network interface boards and DTA breakout adapters. One or more controller assembly is enclosed in a wall-mount, mains PSUs enclosures, for mounting in the alarm zone.

TYPICAL NIOSPro SYSTEM



NIOSPRO ALARM ZONE CONTROLLER SPECIFICATIONS

Input 1 (Acknowledge)	Single terminal, dry contact input required (short to common to trigger)
Input 2 (Reset)	Single terminal, dry contact input required (short to common to trigger)
Input 3 (Custom)	Single terminal, dry contact input required (short to common to trigger)
Input 4 (Mains fail)	Single terminal, dry contact input required (short to common to trigger)
Input C (Common)	
Input L (Alarm-strips)	Double terminal, short for (activation), 2k2 (quiescent), other (fault)
Output 1 (Beacons)	COM, NO and NC dry contact terminals available (max. 2A)
Output 2 (Sounders)	COM, NO and NC dry contact terminals available (max. 2A)
Output 3 (Custom)	COM, NO and NC dry contact terminals available (max. 2A)
Output 4 (Custom)	COM, NO and NC dry contact terminals available (max. 2A)
Network	Optional NIC with RJ45 10/100Base-TX
Connection	Optional DTA breakout board
Mounting	Usually supplied mounted inside a battery backed PSU, with DTA breakout fitted

NIOSPro DTA BREAKOUT PCB SPECIFICATIONS

Call/Pull block	Pull cords, call points and alarm strips
Reset block	NIOSPro resets with audio and visual alarm indication
LED/Buzzer block	Beacon/sounders, beacons and sounders
Mains fail block	Reports mains fail to NIOSPro when shorted.
12V block	Supply connection from PSU or similar
Dimensions	Width: 76mm, height: 157mm (approx.)

NIOSPro TYPICAL ALARM ZONE SPECIFICATION

(Controller, RESET, PULL CORD, BEACON/SOUNDER)

Input voltage range	12Vdc / 24Vdc
Current at 12V quiescent	0.1A
Current at 12V active	0.25A
Current at13.8V quiescent	0.09A
Current at 13.8V active	0.25A

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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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