

# Nexus

## 1-8 Loop Analogue Addressable Control Panels (XP95 Protocol)



## Key Features

- ◆ From 1-8 loops (Apollo XP95 protocol)
- ◆ A clear, backlit display with zonal indication option
- ◆ User-friendly controls
- ◆ Membrane facia with tactile switches
- ◆ Powerful processing ability
- ◆ Windows-based software download package
- ◆ Alarm sensitivity & delay adjustments
- ◆ Message edited by PC or keyboard
- ◆ Fully-networkable with graphics package, **Konex** network repeaters and other **Nexus** panels
- ◆ Designed to meet BS5839 part 4
- ◆ Complies with EMC and LVD Directives

From the UK's leading control panel manufacturer



## Introduction

The **Nexus** analogue addressable panels are a powerful yet user-friendly series of control panels. They are designed to a high standard and are approved by a number of international approval bodies. Each panel in this modular series has considerable processing ability but is easy to install, programme and operate. This is supported by comprehensive support documentation. Panels are housed in steel enclosures and finished in hardwearing epoxy paint.

This panel is ideally suited to installations which require very complex sounder and control/shutdown functions. The panels are programmable to meet individual site requirements by means of a cause & effect matrix. This is downloaded from a PC, using the Cause & Effect Edit Programme. Text may be edited via a keyboard or downloaded from a PC.

The **Nexus** has a 4 line x 20 character backlit LCD display, showing the first 2 events. Subsequent events may be reviewed using the More Messages facility. User controls are accessed by means of keyswitch-enabled membrane controls, with password protection for engineer purposes. Each panel has a high level of processing power and each loop has its own processor. The panel allows up to 126 addresses per loop. All addresses on a loop may be used for output functions, with 3 independently programmable output bits per address.

Up to 248 user-definable panel inputs and relay/two-stage alarm outputs can be provided via expansions boards. Many useful testing and service functions are also provided. All events may be recorded on the optional printer and zonal indications are included as standard. There is a complete range of compatible accessories available to support the **Nexus** panels to meet most customer requirements. The addition of a **Konex** network card to the panel will allow monitoring, indication and control of the functions of a networked installation, allowing signals to be distributed around a large site.

## Technical Specifications

Mains input voltage	230V AC +10% -6%
Quiescent current at 24V DC	375mA (A1557, A1508, A1575 - no loop cards)
Quiescent loop card current	80mA + 1.3 x loop current
Loop card maximum current	200mA (refer to battery/loop calculation spreadsheets)
Maximum battery charging current	1.5A
Alarm circuits	2 @ 1A per circuit
Maximum auxiliary output	500mA @ 24V DC
Dimensions (single-doored cabinet)	480mm high x 410mm wide x 144mm deep
Dimensions (double-doored cabinet)	480mm high x 670mm wide x 144mm deep

## Part Numbers

<b>2500/820</b>	Nexus 1 loop analogue addressable control panel c/w zonal LEDs
<b>2500/821</b>	Nexus 2 loop analogue addressable control panel c/w zonal LEDs
<b>2500/822</b>	Nexus 3 loop analogue addressable control panel c/w zonal LEDs
<b>2500/823</b>	Nexus 4 loop analogue addressable control panel c/w zonal LEDs
<b>2500/824</b>	Nexus 5 loop analogue addressable control panel c/w zonal LEDs
<b>2500/825</b>	Nexus 6 loop analogue addressable control panel c/w zonal LEDs
<b>2500/826</b>	Nexus 7 loop analogue addressable control panel c/w zonal LEDs
<b>2500/827</b>	Nexus 8 loop analogue addressable control panel c/w zonal LEDs

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