

Fire Alarm Control Panel

Nittan Multi Panel NMP-6



The Nittan “Multi” Panel (NMP) is a powerful and sophisticated Analogue Addressable Fire Alarm Control Panel that offers a variety of modular components which allow it to meet a wide variety of applications.

The graphical touch screen provides a clear, uncluttered and intuitive interface which results in the end user requiring minimal training.

The control panel has the capability to support complex cause and effect programming and a wide range of user controllable functions that make the panel suitable for a vast range of projects from multi-site commercial developments through to industrial applications.

The addressable devices of the NMP panel use soft addressing using the EVA-AD2 handheld programming tool which helps minimise the potential for error and reduce the installation time associated with hard addressing.

It can operate as part of a networked system of up to 64 panel’s Peer-to-Peer, or a standalone panel. It has powerful programming options that allow configurable control over whether messages from specific panels are transmitted around the network or remain local.

Each system component has been specifically designed to operate as part of the Evolution UL Listed system providing assurance that the detectors, interfaces, NAC devices, and panel are all fully compatible with each other and that the full range of system functionality is supported by all devices.

Key Features

- Modular construction allows a panel to be specified using just the required modules.
- Up to 4 NMP-SLC modules.
- 4.3” colour touch screen display.
- Capacity for up to 6 intelligent modules.
- Full system redundancy.
- Extensive Day/Night mode programming.
- Full cause & effect programming via front panel or the Evolution UL PC Software.
- 8032 Events Log.
- Using multiple NMP-ZMA & NMP-ZMB modules, the panel can be configured into a fully functioning conventional panel.
- 254 Evolution UL devices per SLC.
- 254 available programmable zones.
- Up to 64 panel peer-to-peer network.
- Positive Alarm Sequence.
- Automatic Drift Compensation.
- Alarm Verification.
- Mains Trouble output delay of up to 240 minutes.
- NAC special application 24V mode.
- 240W Power Supply.

Enclosure

Dimensions	H535mm x W385mm x D150mm
Weight	9KG
Cable Entries	34
Max Module Capacity	6
Colour	Red



NOT TO BE USED FOR INSTALLATION PURPOSES

Nittans reserves the right to make changes at any time without notice in prices, colours, materials, components, equipment, specifications and models and also to discontinue models.

Specification

Code

Part No. / Description	F12-75006 / NMP-6, UL Intelligent Addressable 6 module Control Panel
Standard	UL864 10 th Edition

Main Primary Supply

Mains AC Supply Voltage	240/120 VAC
Mains AC Supply Frequency	50/60 Hz
Mains AC Supply Fuse	5.0A (Time Delay)
Power Supply DC Rating	30Vdc 10A

Battery Secondary Supply

Battery Voltage	24Vdc
Battery Charge Current	2.2A (Max)
Battery Fuse	8.0A (Fast Blow)
Battery Capacity (Supervised)	2 x 12Ah, 12Vdc Sealed Lead Acid (Max)

Notification Appliance Circuits (NMP-NCA & NMP-NCB)

NAC Voltage	29Vdc Nominal (19V - 29V)
Maximum Current	1.0A (NMP-NCA) / 500mA Per Circuit (NMP-NCB)
Maximum Line Resistance	1.8Ω Total (NMP-NCA) / 3.6Ω Total (NMP-NCB)
Wiring Class	Class A (NMP-NCA) & Class B (NMP-NCB) (Power limited & Supervised)
Special Applications	Auxiliary 24Vdc Output (Power limited & Unsupervised)

Signaling Line Circuits (NMP-SLC)

Rated Voltage	35Vdc Nominal (Vmax 39Vdc, Vmin 24Vdc)
Maximum Current	500mA
Maximum Device Capacity	254 Addresses
Maximum Line Resistance	50Ω (200mA) / 20Ω (500mA)
Wiring Class	Class X or Class A (Power limited & Supervised)

NMP Panel Relay Outputs

Alarm	(C,NO,NC) Contact rating: 125Vac @ 0.5A / 30Vdc @ 1A
Trouble	Normally Energised (C,NO,NC) Contact rating: 125Vac @ 0.5A / 30Vdc @ 1A

Network

Maximum Network Size	64 Nodes
Maximum Distance Between Nodes	1km

Software

Maximum Software Nodes	254 Zones
Maximum Event Log	8032 Events
Software Programming	Touchscreen LCD or Evolution UL PC Software

Display

LCD	4.3" Resistive Touch Screen. 480 x 272 Pixel Resolution
LED Indicators	2 Red (1 x Alarm, 1 x NAC Active), 1 Green (Power), 9 Yellow (1 x Supervisory, 1 x Trouble, 1 x Alarm Silenced, 1 x Controls Active, 1 x General Disablement, 1 x General Test, 1 x NAC Trouble/Disablement, 1 x NAC Delay, 1 x CPU Trouble)
Button Controls	Silence Alarm, Ack, Scroll, Reset, Drill

Environmental

Operating Temperature	0°C (32°F) to 49°C (120°F)
Relative Humidity	93% Non-Condensing

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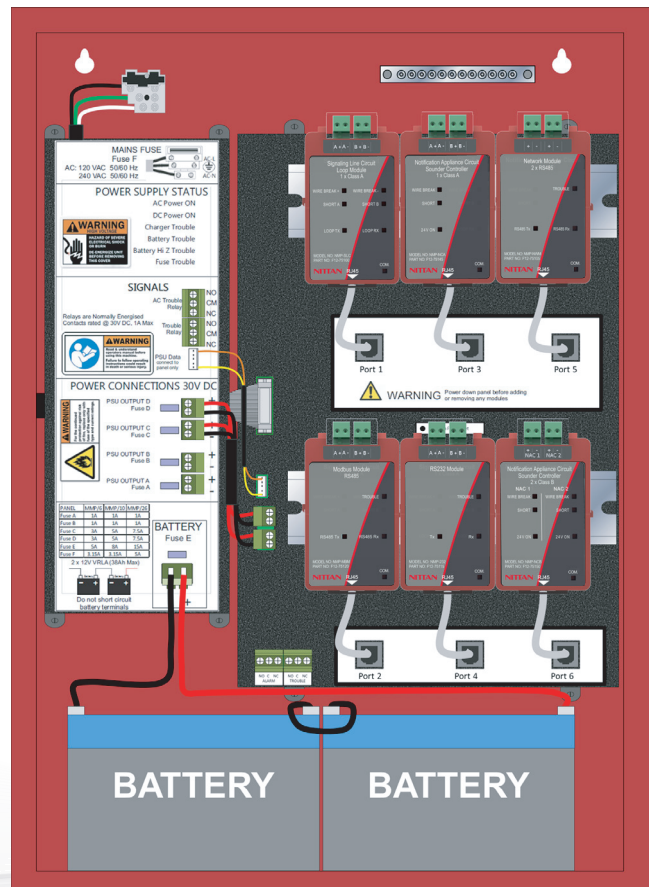
All specifications are subject to change without any notice. For more information, contact with NITTAN.
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Module List

Model No.	Description
NMP-SLC	Signaling Line Circuit Module - 1 x Class A
NMP-MIM	Multi Input Module - 6 x Class B
NMP-ZMA	Zone Monitor Module - 3 x Class A
NMP-ZMB	Zone Monitor Module - 6 x Class B
NMP-MRM	Multi Relay Module - 3 x Form C
NMP-NCA	NAC Module - 1 x Class A
NMP-NCB	NAC Module - 2 x Class B
NMP-NWM	Network Module - 2 x RS485
NMP-232	RS232 Printer Module - 1 x RS232

Benefits

- Troubleshooting and programming time minimised by utilising a range of feature such as SLC auto search, walk test, system details menu's etc.
- Full system redundancy.
- Menu driven graphical touch screen user interface for ease of operation.
- Supports a comprehensive range of DIN mounted panel modules and devices for greater flexibility in design.
- Available in a variety of different panel enclosure sizes to better suit a sites requirements.
- Touch screen full functioning annunciator available.



NMP-6 Panel Interior View

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