NGA-800
Single Loop Analogue Addressable Control Panel
Expandable to 2 Loops

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OVERVIEW

NGA - 800 is a single loop Analogue Addressable control panel which can be expanded to two loops. It provides a cost effective solution for small to medium sized installations. NGA - 800 can support up to 125 addressable devices on each loops.

Using Nortech advanced communications mechanism, up to 32 individually addressed Loop sounders can be connected to each of NGA - 800 detection Loops.

The panel is equipped with a backlit LCD display of 4 rows each with 40 characters to give clear textual indications of fire / fault occurences to the end user. /there are also 16 Zone Fire LED indicators.

NGA - 910 Repeaters and MIni-repeaters can be connected via an RS422/RS485, Fibre Optic or TCP/IP interface to facilitate remote display and control of the system.

An interactive graphic representation of the system can be displayed on the user's computer via NGA-905 graphical software (optional). All the devices on the system can be displayed on a building plan showing their status in real time. In the event of fire or fault the customer can control the system and access all the necessary inforamtion with a few mouse-clicks.

Automatic Device Detection at start up reduces time spent at the commissioning stage. In Installation mode NGA-800 detects and recognises addressed and connected devices with the system being fully operational in less than two minutes.

The default programming ensures that the system is ready to detect Fire/ Fault alerts from the moment that power is applied. Additional programming to customise the system can be implemented using a laptop PC running the NGA - 900 connector software.

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FEATURES

► Single loop panel - Expandable to two Loops using NGA-800/L card
► Supports connection to NGA - 910 viaRS422/485, Fibre Optic or TPC/IP interface
► 125 Device addresses per Loop
► 32 Individually Programmable sounder addresses per Loop
► 96 NGA-503 (addressable) ultra low current sounders or Beacon per Loop. Only 64 of these units should be installed per loop when combined sounder beacons are being used. This number includes addressable, shadow auxilliary and detector-sounder/beacon versions of these units.
► 2 Fire output relays (change-over) and 1 Fault relay (Normally closed)
► 2 Conventional alarm outputs (Individually programmable)
► Event Log (rolling, 2000 entries)
► Backlit LCD display 4 row x 40 characters
► PC Programming using Upload/Download NGA-900 Connector software
► PC Graphics package NGA-905 for alarm management and reporting (optional)
► Integrated 16 Zone LED Fire zone indication

SPECIFICATION

Specifications	
PRIMARY SUPPLY VOLTAGE - INPUT	230 +10% -15% V AC
PRIMARY SUPPLY CURRENT - OUTPUT	2.4 A @ 28.5 V DC nominal (max.)
SECONDARY SUPPLY VOLTAGE	21.0 Min. - 27.2 Max.V DC -BAT charger o/p 28 V DC
SECONDARY SUPPLY CURRENT OUTPUT	1.6 Amp Maximum @ 20°C
INTERNAL BATTERY CAPACITY - MAXIMUM	2 x 12 V 7Ah Sealed VRLA Lead Acid Batteries
LOOP CURRENT DRIVE	275 mA/Loop
AUXILIARY RELAY OUTPUTS	2 Fire (COM-NC-NO) - 1 Fault (COM-NC) non-supervised
CONVENTIONAL SOUNDER CIRCUITS	2 - 400 mA Max. current drive per circuit - Fully monitored.
MAX. HUMIDITY	95% RH Non-Condensing
OPERATING TEMPERATURE	0ºC to 50ºC
WEIGHT	2.0 Kg - 7 Kg (inc. 2 x 7 AH 12 V bat.)
DIMENSIONS	272 (W) x 404 (H) x 107 (D) mm

ORDERING INFORMATION	
NGA-801	1 Loop FACP Expandable to 2 Loops.
NGA-802	2 Loop FACP
NGA-800/L	Loop Card to expand NGA-800 to NGA-800/2