

# NV-04 FIRE ALARM CONTROL PANEL

**DATA SHEET** (NV-04/0209)  
CONVENTIONAL 4 ZONE FIRE ALARM CONTROL PANEL



Nebula have been producing fire alarm control panels for over 30 years and as a result have gained a high degree of experience and an excellent reputation for quality and reliability.

The NV-04 fire alarm panel is designed to provide the highest level of protection and quality at a modest cost. Enhanced fault reporting and external signaling capabilities ensure flexibility and ease of use. Walk Test and Non Latching zones are also selectable.

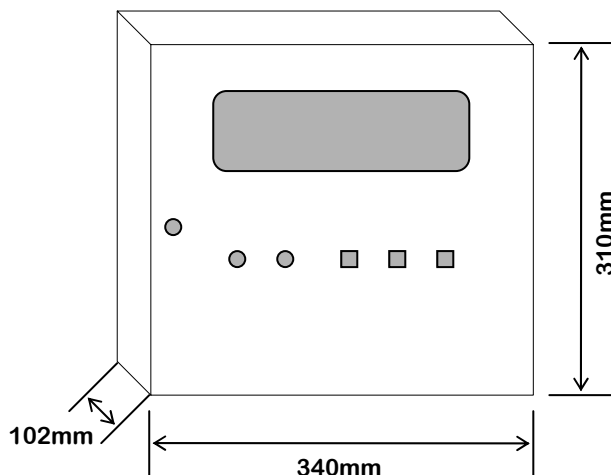
The All steel construction provides a robust enclosure with lockable front panel and enough room for two 7Ah SLA back-up batteries. Remote signaling and communication between other fire alarm panels is also possible using the expansion terminals.

All of our products conform to the relevant British Standards (BS 5839 pt4 in this case) and are both CE marked and RoHS compliant.

Compatible with most conventional detectors the NV-04 provides a clear indication of both Fire and Fault conditions. The sounder circuits use reverse current monitoring, under fault conditions either Short or Open circuit indicators will illuminate in conjunction with front panel indicators. The four detection zones are monitored for Open and Short circuit faults as well as Detector Removal (Schottky diode base req'd). Zone faults are highlighted on the control pcb, the front panel will display "Common Fault" and the relevant zone leds also flash. Walk Test function and Non Latching zones are also selectable.

## NV-04 ACCESSORIES

- Sounder Card providing :-  
Zoned Bells  
Evacuation signals  
Extra outputs
- Door Retainers
- Signaling Modules
- Radio Link
- Flushing Frame



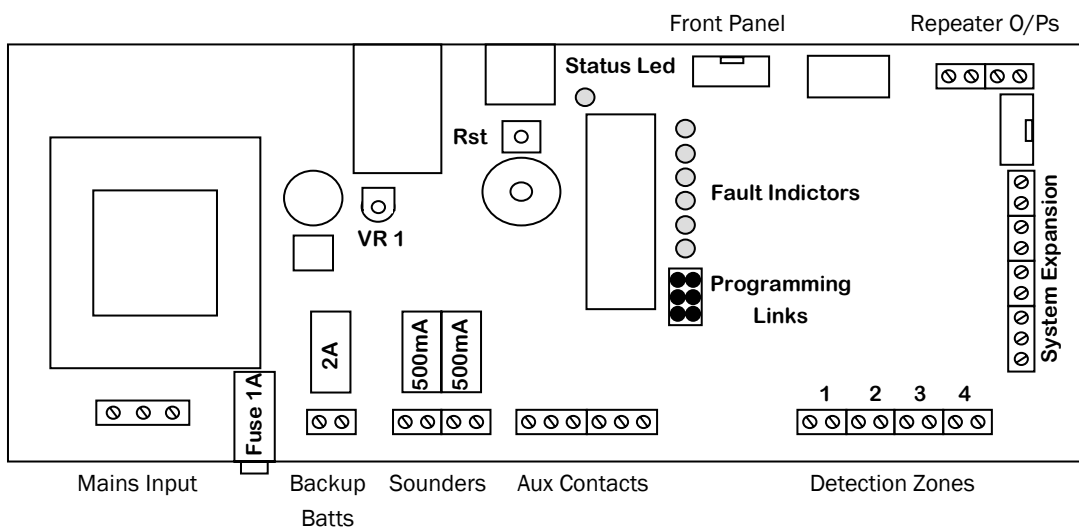
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# NV-04 FIRE ALARM CONTROL PANEL

## MAIN CONTROL PCB



### NV-04 FEATURES

- Robust Construction
- High Reliability
- Clear Fault Indication
- Ease of Installation and servicing
- RoHS & WEEE compliant
- BS 5839 pt4 compliant

## SPECIFICATION

Operating Supply	230v 50Hz +/- 12%	Expansion Bus	1/ External Fire Input
Power Supply Rating	1.5A Max	Battery Charger	2/ +Ve 24v DC Output
	Battery Charger	Control Panel	3/ Fire Signal Output
	500mA	External Connections	4/ External Reset Input
	100mA		5/ 0v
Construction	Steel, Powder Coated, IP30 Rated.		6/ External Fault Signal Input
Indicators	Large 8mm Twin LEDs behind smoked glass.		7/ Fault Signal Output
Front Panel Controls	Keyswitch activated incl Evac (Common Profile).		8/ Stop Alarms Input
Back-Up Batteries	2off 12v 3Ah or 7Ah SLA Batteries in series.		9/ Class Change Input
Sounder Circuits	2off Fused at 250mA each, 12K EOL Resistor		
Auxiliary Contacts	2off Volt Free, 24v 2A Max, Reset on Reset.		
Detection Zones	4off Fully Monitored, 3K9 EOL Resistor		

## ACCESSORIES & EXPANSION

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A number of accessories complete the Nebula range of products, these include :-

#### Dual Voltage Door Retainer

CE Marked, 230v 50Hz or 24v DC supply, Steel enclosure.

#### Sounder Expansion Card

Provides an extra four, fully monitored sounder circuits, selectable functions include :-  
Normal operation, Zoned Sounders

or Pulse Alert (Alarmed Zone has constant sounders whilst remaining zone sounders pulse).

#### Anti-Handshake Module

Simple interface module designed to aid the connection of two fire alarm panels without causing "Lock-up".

#### Radio Transceivers

Highly secure radio link between two fire alarm panels (434 or 868 Mhz).



4way Sounder card.