



# EXTINGUISHING PANELS – COMBINATION PANELS

## RHINO 103 EXTINGUISHING WEATHERPROOF PANELS



**RHINO 103 WEATHERPROOF  
EXTINGUISHING CONTROL PANEL**

### DESCRIPTION

The Technoswitch RHINO103 Extinguishing Control Panel range is ideal for commercial and industrial applications requiring a reliable and robust fire detection and extinguishing solution. The RHINO103 range has been designed to comply with EN54 parts 2 & 4 and EN 12094. In addition, the panel has been third-party tested to verify compliance with the above standards.

The weatherproof enclosure version is suitable for industrial/outdoor applications and is available with or without a DIN rail wiring strip.

The RHINO103 Repeater Panels are housed in either an ABS or weatherproof enclosure and mimic all the master extinguishing panel's alarm indications. Up to seven repeater panels can be wired onto the communication bus in a "ring" configuration. The repeater panels are available without a built-in power supply. Each repeater has an onboard manual release call point.

The integral switch mode power supply has a wide AC voltage input range of 100VAC to 240VAC, ideal for widely fluctuating mains supply scenarios. The battery charging capabilities of the power supply allow for the connection of 7Ah batteries.

Each of the three zones can support up to 32 devices, and any combination of zones can be configured to trigger the single extinguishant output. Each zone can also be configured to operate as an intrinsically safe zone.

The panels offer General Fire and Fault Relays, three programmable relays, three programmable monitored sounder circuits, one programmable monitored input and a dedicated hold input.

The SOLAR software application customises the panel's programmable features, providing unsurpassed flexibility.

Comprehensive test and fault-finding features simplify maintenance, including a one-man walk test, a first-in-first-out 1,000 event log, and onboard status LEDs for pinpoint fault identification.

### FEATURES

- 3 Zones; any combination can be configured for double-knock
- Onboard manual release call point
- USB port for event log download
- 1,000 event log
- Three programmable relays
- One programmable monitored input
- One dedicated hold input
- Three monitored sounder circuits
- IS zone compatible
- Walk-test
- Service/commissioning switch
- Key switch for user-level access control
- Connection of up to seven repeater panels
- SOLAR programming software
- 3-year warranty
- Weatherproof repeater available
- Standard panel and repeater versions in ABS enclosure available





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### SPECIFICATIONS

Enclosure	Mild Steel IP65: Matt Light Grey (ANP 37035)
Environmental	-5°C to 40°C
Humidity	95% RH, Non-condensing
Dimensions (H × W × D)	450 × 390 × 143mm
Weight (excl Batteries)	± 7.4 kg
Cable Entries	Bottom: 5 × 20mm, 2 × 25mm
Key Switch	Enable Controls Extinguishing Control (Auto & Manual / Manual Only)
Event Log	1,000 Logged events
Mains Supply	100 to 240VAC (± 10%), 50/60 Hz, 1.0A max
Power Supply	27.5VDC, Switch Mode, 1.2 A load, 0.5 A max battery charging
AUX Supply Output	27.5VDC, 0.2A
Battery Capacity	24VDC, 7Ah
Battery Charging Current	0.5A max temperature compensated
Number of Fire Zones	3
Zone EOL	3k3 Ω
Zone Alarm Threshold	220 to 900 Ω (Nominal 680 Ω)
Sounder Outputs	3 × Rated at 27.5VDC, 0.15A each
Sounder EOL	3k3 Ω
Extinguishant Output	27.5 V DC, 1A programmable for Metron, Solenoid and Aerosol
Countdown Auto or Manual Time	Programmable 0 to 60 seconds
Release Time	Programmable 10 to 300 seconds
General Fire Relay	30VAC/DC, 1A maximum
General Fault Relay	30VAC/DC, 1A maximum
Programmable Relays	3 relays rated 30VAC/DC, 1A maximum
Programmable Input	1 Fully monitored
EOL	3k3 Ω
Alarm Threshold	220 to 900 Ω (Nominal 680 Ω)
HOLD Input	1 Fully monitored
L-BUS Specification	
L-Bus Topology and Distance	RS485 ring network @ 1,200 metre max.
Number of Repeaters on L-Bus	7 (Seven)

### ORDERING INFORMATION

Product Code	Product Description
RHINO103-W	3 Zone Fire/Extinguishing Control Panel, Weatherproof
RHINO103-WDIN	3 Zone Fire/Extinguishing Control Panel, Weatherproof, DIN
RHINO103-RW	Active Repeater Panel for RHINO103, Weatherproof
RHINO103	3 Zone Fire/Extinguishing Control Panel, ABS
RHINO103-R	Active Repeater Panel for RHINO103, ABS

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