

NFS3-EXT Extinguishant Control Panel

Data Sheet



Designed and manufactured to the highest standards with European EN12094-1 approval, the NFS3-EXT extinguishant releasing panel offers outstanding value and performance for all small to medium fixed fire fighting installations. With three detection zones as standard, extinguishant release can be configured to activate from any combination of detection zone inputs to allow (among other combinations) any two from three type activations such as would be required for detection in ceiling void, room and floor void applications.

Features

- Three detection zones
- Complies with EN12094-1 and EN54-2 & 4
- Configurable input combinations
- Configurable delay options
- Configurable non latching zone
- Configurable extinguishant duration timer
- Count down timer display
- Full remote repeater
- Optional Auxiliary I/O board
- Extract fan control

The extensive configuration options of the NFS3-EXT allow the functionality of the system to be modified while still complying with the requirements of the controlling standard for the equipment (EN12094-1). The panel contains a large LED display to enable easy configuration and control which

also displays the time remaining until extinguishant release for added user safety. The countdown timer is duplicated on up to seven remote status units to provide local indication of the extinguishant system status. With all of the electronics mounted on a single, easily removable, steel plate the panel is both robust and easy to install.

Installation

With all of the panel electronics mounted onto a single easily removed steel plate combined with a quick release door mechanism, a back box first fix can be provided. A center top key hole fitting is provided for ease of Alignment with two additional securing fittings at the bottom of the cabinet. 'Knock-outs' are provided on the top and rear of the unit for simple cable entry. Repeater connection is via a single 4 core (2 x power, 2 x RS485) or a single two core if repeaters are powered locally.

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Specifications

NFS3-EXT Extinguishant Control Panel

Mechanical Specification

- Dimensions:
 - Height: 310 mm
 - Width: 385 mm
 - Depth: 90 mm
- Weight: 5 kg (no batteries)

Push Button Controls

- Silence/Sound Alarm
- Alarm/Fault Warning Silence
- Reset
- Lamp Test
- Mode
- Select
- Enter

Status Indications

- General Indications
 - Fire
 - Power On
 - Delay On
 - Test Mode On
 - General Disablement
 - Power Fault
 - Sounder Fault/Disablement
 - General Fault
 - Alarm/Fault Warning Silenced
- "Fire In Zone" Indications
 - Fire (One Per Zone)
 - Zone Fault/Test/Disablement (One Per Zone)
- Disablement Indications
 - Extinguishant
 - Manual Release
 - 1st Stage Contact
 - 2nd Stage Contact
 - Extract Fan
- Extinguishant Status Indications
 - Extinguishant Released
 - Extinguishant Imminent
 - 1st Stage Activated
 - Hold Activated
 - Flooding Zone Fault
 - Low Pressure
 - Auto & Manual
 - Manual Only



Electrical Specification

- Supply rating: 230V~(ac) +10% -15%, 50 / 60Hz, 1.6A
- Power supply rating: 3 Amps total including battery charge
28Vdc \pm 2V

Environmental Specifications

- Operating temperature -5°C to +50°C
- Relative humidity: 5% to 95%, non-condensing
- Ingress Protection (IP) Rating: IP30

Product Range at a Glance

		Part Number
	Single area 3 zone extinguishing control panel compliant with BS EN12094-1 Class A.	NFS3-EXT
	10 lamp extinguishing control repeater.	NFS-10LU
	Extinguishing control auxiliary board.	NFS-AUX