

# SHIELD A-XT

NEW!



## Extinguishant Control Panel

Shield A-XT is a new generation extinguishant releasing panel which is UL,FM listed

The simple, programmable configuration options and easy to install construction make Shield A-XT panels the ideal choice for small to medium sized systems using all extinguishant agents.

## Programmable Functions

### Access Level 2

- Test Zones 1 to 3
- Disable Zones 1 to 3
- Disable 1st Stage Alarms
- Disable Pre-activated 1st Stage Relay
- Disable Pre-activated 2nd Stage Relay
- Disable Extract Fan Output
- Disable Manual Release Input
- Disable Extinguishant Sub System
- Activate Extract Fan Output
- Activate Alarm Delays

### Access Level 3

- Sounder Delay
- Coincidence Detection
- Disable Panel Features
- Zone Alarm Delays (Detectors)
- Zone Alarm Delay (Call Points)
- Configure Zone for I.S Barrier Use
- Zone Short Circuit Alarm
- Zone Non Latching
- Zone Inputs Delay
- Extinguishant Release Time Delay
- Extinguishant Release Duration Timer
- Extinguishant Reset Delay Timer

## Features

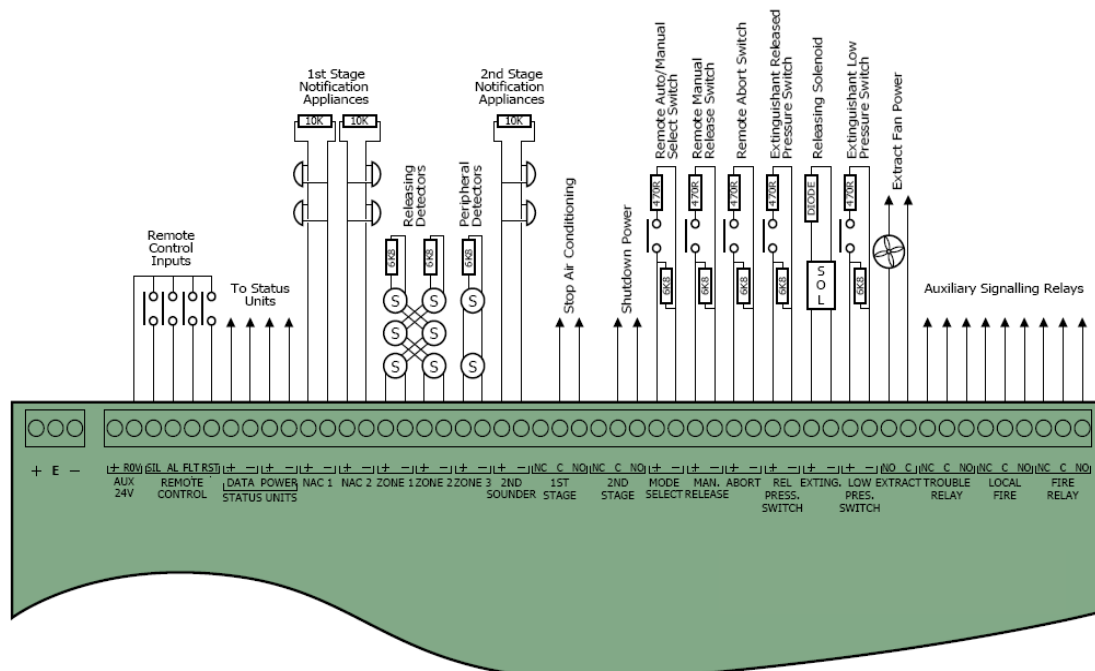
- UL864 and FM listed
- Three initiation circuits as standard
- Any single zone or any combinations of zones can be configured to release
- Configurable first stage NAC delays
- Configurable detection delays
- Zero time delay upon manual release option
- Compatible with I.S. barriers
- Non-latching zone input option to receive signals from other systems such as aspirating equipment
- Configurable extinguishant delays up to 60 seconds in 5 second steps
- Configurable extinguishant duration up to 5 minutes in 5 second steps
- Countdown timer shows time remaining until release
- Supports up to seven, four wire status indicators
- Built in Extract Fan control

## Product Overview

- Designed and manufactured to the highest standards in a quality controlled environment and with UL & FM approvals, the Shield A-XT releasing panel offers outstanding value and performance for all small to medium fixed firefighting 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.
- The extensive configuration options of the Shield A-XT allow the functionality of the system to be extensively modified
- 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 system status.
- With all of the electronics mounted on a single, easily removable, steel plate Shield A-XT panels are both robust and easy to install.
- Shield A-XT is supplied in an enclosure that matches the design and colour of the elite RS range and is available in standard red or optional grey.



# Specifications



## Technical

### Construction

#### IP Rating

#### Finish

#### Colour - lid & box

#### Mains supply

#### Mains supply fuse

#### Power supply rating

#### Maximum ripple current

#### Battery type (Yuasa NP)

#### Battery charge voltage

#### Battery charge current

#### Battery fuse

#### Maximum current draw from batteries

#### Quiescent current of panel in mains fail

#### ROV output

#### Sounder outputs

#### Fault relay contact rating

#### Fire relay contact rating

#### Local fire relay contact rating

#### First stage contact rating

#### Second stage contact rating

#### Extract contact rating

#### Zone quiescent current

#### Terminal capacity

#### Number of detectors per zone

#### NAC rating

#### Detection circuit end of line

#### Monitored input end of line

#### Sounder circuit end of line

#### Extinguishant output EOL

#### No. of initiating circuits

#### No. of NAC circuits

#### Extinguishant release output

#### Extinguishant release delay

#### Extinguishant release duration

#### SIL, AL, FLT, RST inputs

#### Zone normal threshold

#### Detector alarm threshold

#### Call point alarm threshold

#### Short circuit threshold

#### Monitored inputs normal threshold

#### Monitored inputs alarm threshold

#### Monitored inputs Short circuit threshold

#### Status unit/Ancillary board connection

#### Status unit power output

- 1.2mm mild sheet steel
- IP30
- Epoxy powder coated
- Red RAL 3002 (optional grey BS 00 A 05 semi-matt)
- 230V AC or 115V AC
- 1.6 Amp (F1.6A L250V)
- 3 Amps total including battery charge 28V +/- 2V
- 200 millivolts
- Two 12 Volt 7Ah sealed lead acid in series
- 27.6VDC nominal (temperature compensated)
- 0.7A maximum
- 20mm, 3.15A glass
- 3 Amps
- 0.095A
- Fused at 500mA with electronic fuse
- 24V Fused at 500mA with electronic fuse
- 30VDC 1A Amp maximum
- 30VDC 1A Amp maximum
- 30VDC 1A Amp maximum
- 30VDC 1A Amp maximum
- 30VDC 1A Amp maximum
- 30VDC 1A Amp maximum
- 2mA maximum
- 12 AWG
- Dependent on type (maximum 32)
- 0.5A per circuit
- 6K8 5% 1/2 Watt resistor
- 6K8 5% 1/2 Watt resistor
- 10K 5% 1/4 Watt resistor
- 1N4004 Diode
- 3
- 2 x 1st Stage, 1 x 2nd Stage
- Fused at 1 Amp
- Adjustable 0 to 60 seconds (in 5 second steps)
- Adjustable 60 to 300 seconds (in 5 second steps)
- Switched -ve, max resistance 100 Ohms
- 8K ohms to 1K ohm
- 999 ohms to 400 ohms
- 399 ohms to 100 ohms
- 99 ohms to 0 ohms
- 8K ohms to 1K ohm
- 999 ohms to 100 ohms
- 99 ohms to 0 ohms
- Two wire RS485 connection
- Fused at 500mA with electronic fuse

## Panels

Product Code	Description	Size (mm)
S115R-EXT	Surface mounting panel - Red 115V	368 x 310 x 90
S230R-EXT	Surface mounting panel - Red 230V	368 x 310 x 90
S115G-EXT	Surface mounting panel - Grey 115V	368 x 310 x 90
S230G-EXT	Surface mounting panel - Grey 230V	368 x 310 x 90

# SHIELD

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