FirePro. Reinventing Fire Suppression

Product Overview

The Sigma XT extinguishant control panel is designed to the requirements of AS7240.0 and ASISO 14520.1

Each extinguishing module has a comprehensive set of inputs and outputs and is configurable via the LCD display and simple menus.

The data bus cabling of the Sigma warning signs and Sigma local control stations, simplifies and minimises cable requirements and maximises monitoring of these devices.

Standard Features

Fully certified to AS 7420.2 and AS7240.4

2-wire and standard versions in 2 or 8 zones

Fully programmable using simple menu
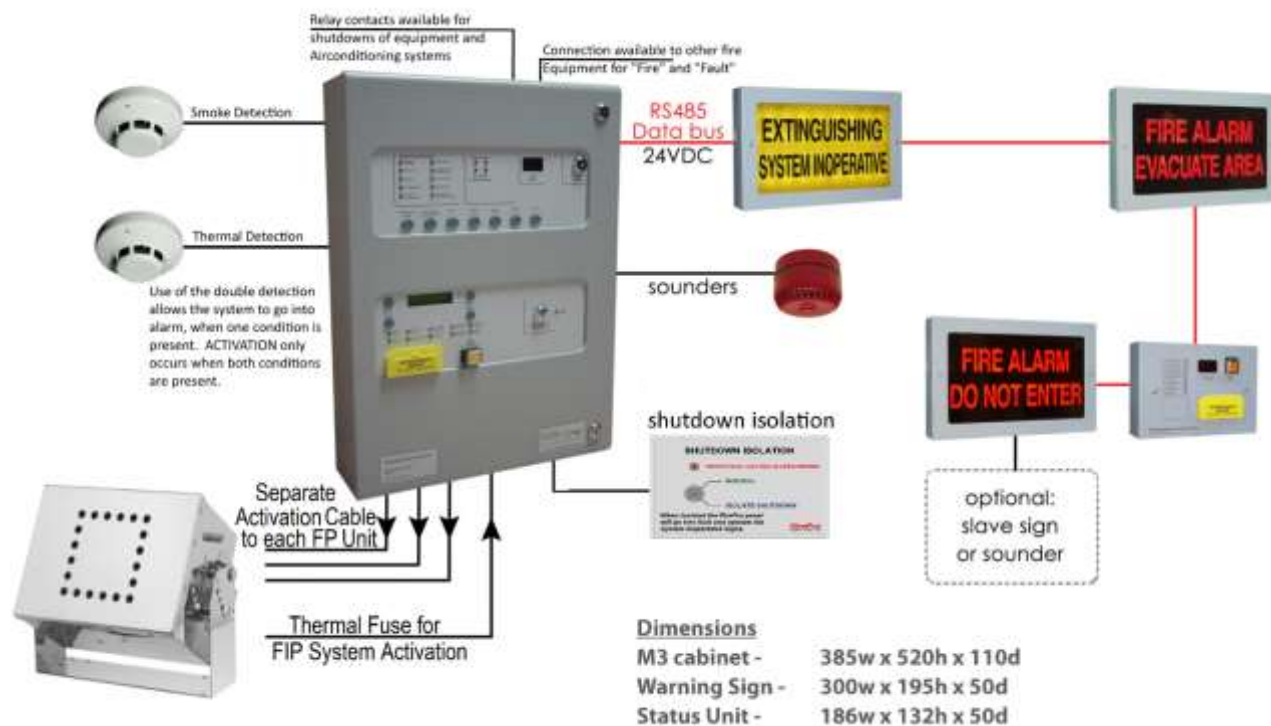
Options

Sounder configuration options

Coincidence input selection

Compatible with wide range of detection devices

Two monitored sounder outputs

Technical Data

Construction	1.2mm mild sheet steel
IP Rating (Standard unit)	IP30
Colour - lid & box	BS 00 A 05 grey - fine texture
Power supply	230V AC (+10%/-15%)
Fault contact rating	30V DC 1 Amp
Local fire contact	30V DC 1 Amp
Fire contact rating	30V DC 1 Amp
Cable capacity	2.5mm² per terminal
Operating temperature	-5°C to +40°C
Operating humidity	<95% (non condensing)
data connection	RS485 connection (max 1200 m)

Smoke Detection

Thermal Detection

Use of the double detection allows the system to go into alarm, when one condition is present. ACTIVATION only occurs when both conditions are present.

Relay contacts available for shutdowns of equipment and Airconditioning systems

Connection available to other fire Equipment for "Fire" and "Fault"

RS485 Data bus 24VDC

EXTINGUISHING SYSTEM INOPERATIVE

FIRE ALARM EVACUATE AREA

sounders

shutdown isolation

FIRE ALARM DO NOT ENTER

optional: slave sign or sounder

Separate Activation Cable to each FP Unit

Thermal Fuse for FIP System Activation

Dimensions

M3 cabinet - 385w x 520h x 110d
Warning Sign - 300w x 195h x 50d
Status Unit - 186w x 132h x 50d

SIGMAT XT with FirePro Condensed Aerosol Units

Requirements of AS4487 – which is the Australian standard for Condensed aerosol fire extinguishing systems-Requirements for system design, and installation. Sigma XT is a conventional FIP which is fully AS compliant.

- programmable time delay
- Single or double nock detection
- manual activation switch
- Isolation switch
- System monitoring for all components
- Shutdown devices

The Sigma XT has been developed specifically for use with FirePro Condensed Aerosol Systems. As well as complying with the relevant Australian Standards, it includes features which are not available in other Fire Indicator Panels (FIP).

- A sequential activator card, which allows for the current requirements of aerosol systems – which is 250mA per unit. The standard output from a Gas Extinguishing module is 1A. This creates an activation limit of 4 aerosol units. Using the sequential activator, the Sigma Panel can operate up to 80 FirePro generators.

- Fully monitored circuits for the FirePro units. This will indicate any faults in the activation circuit. This is a requirement of the AS4487. The monitoring process from this panel allows for the complete circuit to be monitored right through to the activator. FirePro uses an electrical filament for activation – so this condition of this filament is part of the monitoring process. Other panels use a sub-station at each aerosol unit, - so are monitoring only to the substation, rather than through to the activator.

- A built-in testing protocol which means that the tests required by standards can be managed from the panel without the need for wiring to be disconnected or other test regimes. There is no special equipment required by a technician to complete regular system testing as required by AS1851. The test outcomes are displayed on the mimic panel in the Sigma panel

SIGMAT XT configured with SOLID DOOR

The Sigma XT panel can be configured with a solid door. This is normally installed when upgrading from an existing suppression system that already has an FIP with a gas card, detection, and warning signs

The solid door is to ensure that the Sigma FIP is not confused with the operational FIP for the risk. With this configuration it can take an activation signal from the FIP, and report back to the FIP for Fire or Fault conditions. The Sigma XT Panel has battery backup so there is no requirement to increase the Master FIP battery supply to handle generator activation.