

## SIGMA XT

## **Extinguishant Control Panel**

## **Features**

- Any single zone or any combinations of zones can be configured to release
- ▶ Configurable first stage sounder 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
- ▶ Countdown timer shows time remaining until release
- ▶ Supports up to seven, four-wire status indicators

- ► Configurable extinguishant delays up to 60 seconds in 5 second steps
- ➤ Configurable extinguishant duration up to 5 minutes in 5 second steps
- ▶ Supports up to seven, four wire status indicators
- ▶ Built in Extract Fan control
- ▶ Approved and certified to EN12094-1, EN54-2
- ▶ and EN54-4
- ▶ UL and FM Approved version also available



## **Description**

The industry leading Sigma XT extinguishant releasing panel, installed extensively in thousands of premises globally, 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.

Sigma XT panels are both robust and easy to install having all the electronics mounted on a single, easily removable, steel plate.

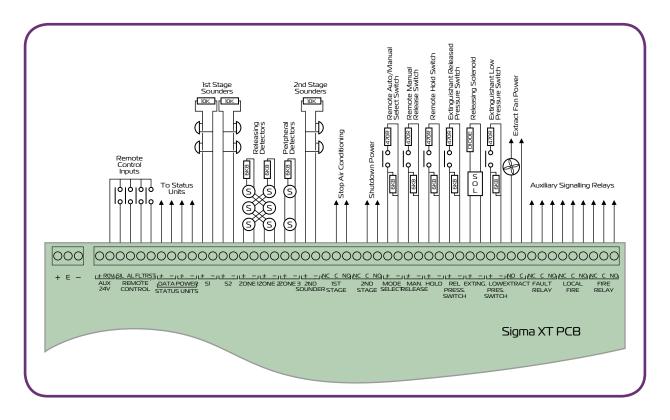
Programmable functions		
Access Level 2	Access Level 3	
Test Zones 1 to 3	Sounder Delay	
Disable Zones 1 to 3	Coincidence Detection	
Disable 1st Stage Alarms	Disable Panel Features	
Disable Pre-activated 1st Stage Relay	Zone Alarm Delays (Detectors)	
Disable Pre-activated 2nd Stage Relay	Zone Alarm Delay (Call Points)	
Disable Extract Fan Output	Configure Zone for I.S Barrier Use	
Disable Manual Release Input	Zone Short Circuit Alarm	
Disable Extinguishant Sub System	Zone Non Latching	
Activate Extract Fan Output	Zone Inputs Delay	
Activate Alarm Delays	Extinguishant Release Time Delay	
	Extinguishant Release Duration Timer	
	Extinguishant Reset Delay Timer	



Specification		
Construction	1.2mm mild sheet steel	
IP Rating	IP30	
Finish	Epoxy powder coated	
Colour - lid & box	BS 00 A 05 grey - fine texture	
Colour - control panel & labels	RAL 7047 light grey - satin	
Weight	6kg	
Mains supply	230V AC +10%/-15% (100 Watts maximum)	
Mains supply fuse	1.6 Amp (F1.6A L250V)	
Power supply rating	3 Amps total including battery charge 28V +/- 2V	
Maximum ripple current	200 millivolts	
Battery type (Yuasa NP)	Two 12 Volt 7Ah sealed lead acid in series	
Battery charge voltage	27.6VDC nominal (temperature compensated)	
Battery charge current	o.7A maximum	
Battery fuse	20mm, 3.15A glass	
Maximum current draw from batteries	3 Amps	
Quiescent current of panel in mains fail	0.095A	
R0V output	Fused at 500mA with electronic fuse	
Sounder outputs	24V Fused at 500mA with electronic fuse	
Fault relay contact rating	30VDC 1A Amp maximum	
Fire relay contact rating	30VDC 1A Amp maximum	
Local fire relay contact rating	30VDC 1A Amp maximum	
First stage contact rating	30VDC 1A Amp maximum	
Second stage contact rating	30VDC 1A Amp maximum	
Extract contact rating	30VDC 1A Amp maximum	
Zone quiescent current	2mA maximum	
Terminal capacity	o.5mm² to 2.5mm² solid or stranded wire	
Number of detectors per zone	Dependent on type (maximum 32)	
Number of sounders per circuit	Dependent on type (max. o.5A per sounder circuit)	
Detection circuit end of line	6K8 5% ½ Watt resistor	
Monitored input end of line	6K8 5% ½ Watt resistor	
Sounder circuit end of line	10K 5% ½ Watt resistor	
Extinguishant output EOL	1N4004 Diode	
No. of detection circuits	3	
No. of sounder circuits	2 x 1st Stage, 1 x 2nd Stage	
Extinguishant release output	Fused at 1 Amp	
Extinguishant release delay	Adjustable o to 6o seconds (in 5 second steps)	
Extinguishant release duration	Adjustable 60 to 300 seconds (in 5 second steps)	
SIL, AL, FLT, RST inputs	Switched -ve, max resistance 100 Ohms	



Specification	
Detector alarm threshold	999 ohms to 400 ohms
Call point alarm threshold	399 ohms to 100 ohms
Short circuit threshold	99 ohms to o ohms
Head removal condition	15.5 to 17.5 volts
Cabling	FP200 or equivalent
Monitored inputs normal threshold	8K ohms to 1K ohm
Monitored inputs alarm threshold	999 ohms to 100 ohms
Monitored inputs Short circuit threshold	99 ohms to 0 ohms
Status unit/Ancillary board connection	Two wire RS485 connection
Status unit power output	Fused at 500mA with electronic fuse



Panels		
Product Code	Description	Size (mm)
K11031M2	Surface mounting panel	385 x 310 x 90

