

SIGMA A-XT

Extinguishant Control Panel UL/FM Approved

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
- ▶ Supports up to seven, four wire status indicators
- ▶ Built in Extract Fan control

- ▶ Compatible with I.S. barriers
- Non-latching zone input option to receive signals from other systems such as aspirating equipment
- Configurable releasing delays up to 60 seconds in 5 second stops
- Configurable releasing duration up to 5 minutes in 5 second steps.
- Countdown timer shows time remaining until release



Description

Sigma A-XT releasing panel offers outstanding value and performance for all small to medium fixed firefighting installations.

With three initiating circuits as standard, release can be configured to activate from any combination of detection zone inputs to allow (among other combinations) any two from three types of activations for detection in ceiling void, room and floor void applications.

The extensive configuration options of the Sigma 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 release for added user safety.

The countdown time is duplicated on up to seven remote status units to provide local indication of the system status.

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

Panels		
Product Code	Description	Size (mm)
K1810-12	Surface mounting panel- Red 115V	368 x 310 x 90
K1810-12	Surface mounting panel- Grey 115V	368 x 310 x90
K1810-13	Surface mounting panel- Red 230V	368 x 310 x 90
K1810-43	Surface mounting panel- Grey 230V	368 x 310 x 90

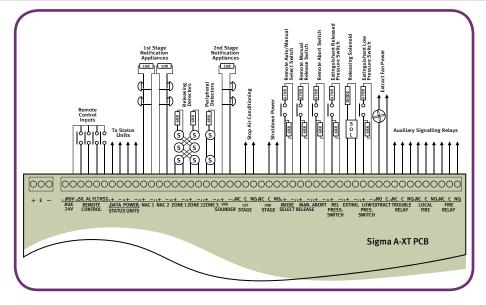


Specification		
Construction	1.2mm mild sheet steel	
IP rating	IP30	
Finish	Epoxy powder coated	
Colour- lid & box	Red RAL 3002 (optional grey BS 00 A 05 semi-matt)	
Mains supply	230V AC or 115V AC	
Mains supply fuse	1.6Amp (FL.6A L250V)	
Power supply rating	3 Amps total including battery charge 28V +/- 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	0.7A 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	12 AWG	
Number of detectors per zone	Dependent on type (maximum 32)	
NAC rating	0.5A per circuit	
Detection circuit end of line	6K8 5% 1/2 Watt resistor	
Monitored input end of line	6K8 5% 1/2 Watt resistor	
Sounder circuit end of line	10K 5% 1/4 Watt resistor	
Extinguishant output EOL	1N4004 Diode	
No. of initiating circuits	3	
No. of NAC circuits	2 x 1st stage, 1 x 2nd stage	
Extinguishant release output	Fused at 1 Amp	
Extinguishant release delay	Adjustable 0 to 60 seconds (in 5 second steps)	



Specification		
Extinguishant release duration	Adjustable 60 to 300 seconds (in 5 second steps)	
SIL, AL, FLT, RST inputs	Switched -ve, max resistance 100 ohms	
Zone normal threshold	8K ohms to 1k ohm	
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	
Monitored inputs normal threshold	8K ohms to 1k ohm	
Monitored inouts alarm threshold	999 ohms to 100 ohms	
Monitored inputs short circuit threshold	99 ohms to o ohms	
Status unit/ Ancillary board connection	Two wire RS485 connection	
Status unit power output	Fused at 500mA with electronic fuse	

Programmable Functions		
Access Level 2	Access Level 3	
Test Zones 1 to 3	Sounder delay	
Disable Zones 1 to 3	Conincidence detection	
Disable 1st stage alarms	Disable panel features	
Disable pre-activated 1st stage relay	Zone alarm delays (detectors)	
Disable pre-activated 2nd stage replay	Zone alarm delay (call stations)	
Disable extract fan output	Configure zone for I.S barrier use	
Disable manual release input	Zone short circuit alarm	
Disable releasing sub system	Zone non latching	
Activate extract fan output	Zone inputs delay	
Activate alarm delays	Extinguishant release time delay	
	Extinguishant release duration timer	
	Extinguishant resey delay timer	





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