

# SUPREME XT

## RELEASING FIRE CONTROL PANEL



Manufactured by Kentec Electronics Ltd.  
Dartford, DA11JQ, United Kingdom

### Programable 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 Releasing 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 stations)
- Configure Zone for I.S Barrier Use
- Zone Short Circuit Alarm
- Zone Non Latching
- Zone Inputs Delay
- Extinguisher Release Time Delay
- Extinguisher Release Duration Timer
- Extinguisher Reset Delay Timer



### Product Overview

- Designed and manufactured to the highest standards in a quality controlled environment and with UL and FM approvals, the Supreme XT releasing panel offers outstanding value and performance for all small to medium fixed firefighting installations.
- With three detection zones as standard, 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 Supreme 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 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 Supreme XT panels are both robust and easy to install.
- Supreme XT is supplied in an enclosure that matches the design and color of the Supreme CP range and is available in standard red or optional gray.

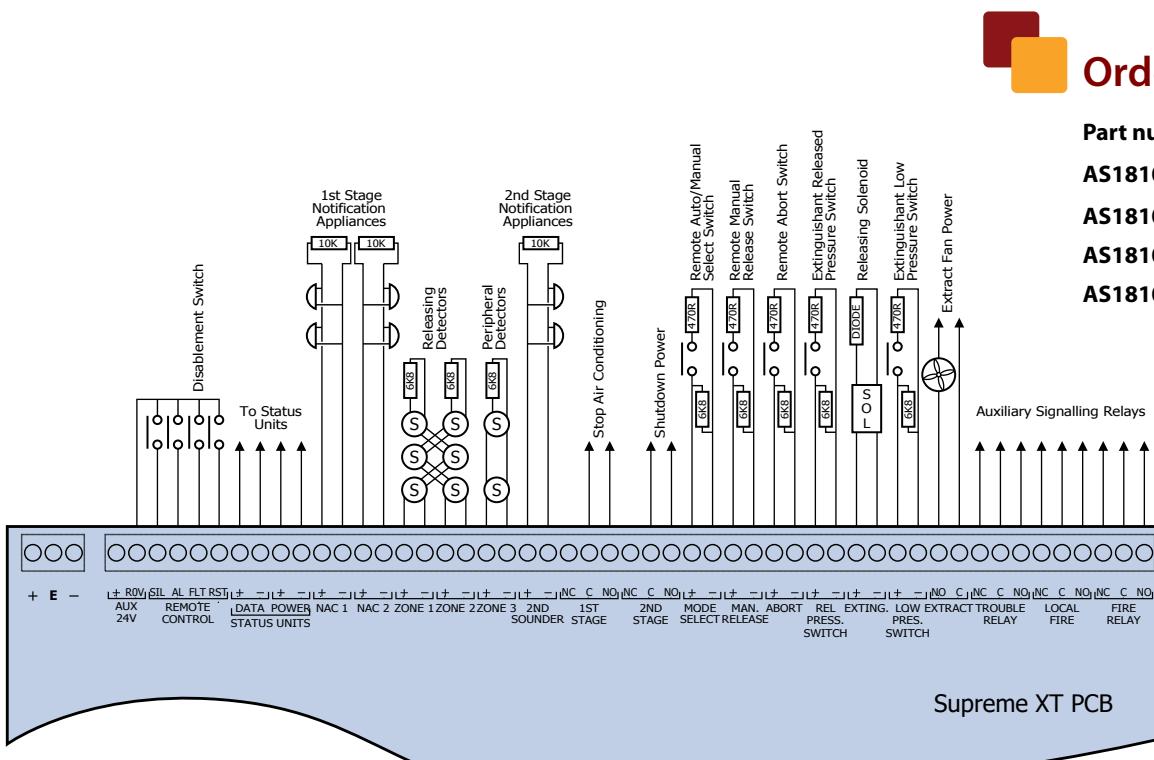
### Standard Features

- UL 864 and FM approved
- Three detection zones 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
- 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 steps
- Configurable releasing 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
- Compatible with conventional detectors from Apollo, Hochiki America and System Sensor

## Technical Specifications

**Mains supply:** 115V AC or 230V AC  
**Mains supply fuse:** 3.15 Amp (F3.15A L250V)  
**Finish:** Epoxy powder coated  
**Color:** Red (optional gray)  
**Power supply rating:** 3 Amps total including battery charge 28V +/- 2V  
**Maximum ripple voltage:** 200 millivolts  
**Battery type:** 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 Sloblow  
**Maximum current draw from batteries:** 3 Amps  
**Quiescent current of panel in mains fail:** 0.095A  
**Aux 24V output:** Fused at 500mA with electronic fuse  
**NAC outputs:** 24V Fused at 500mA with electronic fuse  
**Trouble 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  
**No. of detectors per zone:** Dependent on type (maximum 32)  
**Detection circuit end of line:** 6K8 5% 1/2 Watt resistor  
**Supervised 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 detection circuits:** 3  
**No. of sounder circuits:** 2 x 1st Stage, 1 x 2nd Stage  
**Extinguishant release output:** Rated at 1 Amp  
**Extinguishant release delay:** Adjustable 0 to 60 seconds (in 5 second steps)  
**Extinguishant release duration:** Adjustable 60 to 300 seconds (in 5 second steps)  
**Normal Zone Impedance (EOL):** 6.8K  
**Detector Alarm Impedance:** 470 Ohm  
**Pull Station Alarm Impedance:** 270 Ohm  
**Short circuit threshold:** Short circuit Impedance 99 Ohms  
**Supervised Inputs Normal Impedance (EOL):** 6.8K  
**Supervised Inputs Alarm Impedance:** 470 Ohm  
**Supervised inputs Short circuit threshold:** 99 Ohms  
**Status unit/Ancillary board connection:** Two wire RS485 connection  
**Status unit power output:** Rated at 500mA with electronic fuse



## Ordering Codes

Part number	Description
<b>AS1810-10</b>	Supreme XT - Red 115V
<b>AS1810-11</b>	Supreme XT - Red 230V
<b>AS1810-40</b>	Supreme XT - Gray 115V
<b>AS1810-41</b>	Supreme XT - Gray 230V

Supreme XT PCB