



# Sigma A-Si & Abort Switch



## Extinguishant Status Indicators

### Sigma A-Si Features

- UL864 and FM listed
- High brightness LEDs
- Detailed indication of the status of the control panel
- Supervised data connection
- Countdown timer shows time remaining until release
- Manual only and Automatic & Manual mode select keyswitch option
- Four wire connection (data and power)
- Protected dual action manual release switch option
- Option for zonal fire and trouble indication with buzzer
- Robust, high quality enclosure
- Easy access to terminals
- Remote Auto/Manual door interlock input (supervised)
- Remote Abort input (supervised)
- Internal trouble diagnosis indicators

### Sigma A-Si Product Overview

- The Sigma A-Si range of status indicators provide detailed status information for Sigma A-XT releasing control equipment.
- All models provide high brightness, LED indication of Manual Only, Automatic and Manual, Abort operated, Disabled, Imminent and Released conditions. Models are also available with zonal fire indicators and a common trouble indicator.
- For systems where local control of the Automatic/Manual mode and or a Manual extinguishant release control are required, units are available with these controls fitted.
- All models have supervised inputs for the remote connection of Automatic/ Manual mode and abort switches.
- All units contain a large, LED display which shows a countdown of the time remaining until release in seconds.

### Abort Switch Product Overview

- The Sigma A-XT Abort switch connects to the Abort terminals of the Sigma A-XT releasing panel. Any number of Sigma A-XT Abort switches may be connected to the circuit.
- The last switch must have the end of line device from the Abort circuit terminals of the Sigma A-XT releasing panel fitted across its connections to provide open and short circuit supervision.
- The unit is supplied mounted to a rugged steel enclosure but may also be flush mounted to a single gang electrical box.



Model No. K1823-10



Model No. K1821-19



Model No. K1821-11



Model No. K1821-15



Model No. K1821-13



Model No. K1821-17

# Specification

Manual Only	<input type="radio"/>
Auto/Manual	<input type="radio"/>
Abort Activated	<input type="radio"/>
Disabled	<input type="radio"/>
Imminent	<input type="radio"/>
Released	<input type="radio"/>
Fire Zone 1	<input type="radio"/>
Fire Zone 2	<input type="radio"/>
Fire Zone 3	<input type="radio"/>
Trouble	<input type="radio"/>

## Equipment

Product Code	Description	Size (mm)
K1821-11	6 lamp status unit surface mount - red	186 x 132 x 50
K1821-41	6 lamp status unit surface mount - gray	186 x 132 x 50
K1821-12	6 lamp status unit flush mount - red	186 x 132 x 55
K1821-42	6 lamp status unit flush mount - gray	186 x 132 x 55
K1821-13	6 lamp status unit with mode select keyswitch surface mount - red	186 x 132 x 50
K1821-43	6 lamp status unit with mode select keyswitch surface mount - gray	186 x 132 x 50
K1821-14	6 lamp status unit with mode select keyswitch flush mount - red	186 x 132 x 55
K1821-44	6 lamp status unit with mode select keyswitch flush mount - gray	186 x 132 x 55
K1821-15*	6 lamp status unit with manual release surface mount - red	186 x 132 x 50
K1821-45*	6 lamp status unit with manual release surface mount - gray	186 x 132 x 50
K1821-16*	6 lamp status unit with manual release flush mount - red	186 x 132 x 55
K1821-46*	6 lamp status unit with manual release flush mount - gray	186 x 132 x 55
K1821-17*	6 lamp status unit with mode select keyswitch & manual release surface mount - red	186 x 132 x 50
K1821-47*	6 lamp status unit with mode select keyswitch & manual release surface mount - gray	186 x 132 x 50
K1821-18*	6 lamp status unit with mode select keyswitch & manual release flush mount - red	186 x 132 x 55
K1821-48*	6 lamp status unit with mode select keyswitch & manual release flush mount - gray	186 x 132 x 55
K1821-19*	10 lamp status unit with mode select keyswitch & manual release surface mount - red	186 x 132 x 50
K1821-49*	10 lamp status unit with mode select keyswitch & manual release surface mount - gray	186 x 132 x 50
K1821-20*	10 lamp status unit with mode select keyswitch & manual release flush mount - red	186 x 132 x 55
K1821-50*	10 lamp status unit with mode select keyswitch & manual release flush mount - gray	186 x 132 x 55
K1823-10	Elite Extinguishing Abort switch surface mount - red	98 x 98 x 59
K1823-40	Elite Extinguishing Abort switch surface mount - gray	98 x 98 x 59

\* Not UL/FM Listed

## Sigma A-Si Technical

<b>Construction</b>	- 1.2mm mild sheet steel
<b>IP Rating</b>	- IP30
<b>Colour - lid &amp; box</b>	- Red (optional grey)
<b>Power supply</b>	- 21 to 30 V DC
<b>Maximum current draw</b>	- 0.07A
<b>Max. number of status units</b>	- 7
<b>Quiescent current</b>	- 0.033A
<b>Cable capacity</b>	- 2.5mm <sup>2</sup> per terminal
<b>Monitored inputs end of line resistor</b>	- 6K8 0.5W Resistor
<b>Monitored inputs normal threshold</b>	- 8K ohm to 1K ohm
<b>Monitored inputs trigger threshold</b>	- 700 ohms to 100 ohms
<b>Monitored inputs</b>	- 99 ohms to 0 ohms
<b>Short circuit threshold</b>	
<b>Data connection</b>	- Two wire RS485 connection (max 1200 metres)

## Abort Switch Technical

<b>Construction</b>	- 1.2mm mild sheet steel
<b>IP Rating</b>	- IP30
<b>Colour</b>	- Red (optional grey)
<b>Switch rating</b>	- 1A at 30V DC
<b>Trigger resist</b>	- 470R 1W
<b>End of line resistor</b>	- 6K8 1/2 W