# SIGMA A-SI

## Extinguishant Status & Ancilliary Units UL/FM Approved

### Sigma A-CP Features

▸ High brightness LED's
▸ Detailed indication of the status of the Control Panel
▸ Supervised data connection
▸ Countdown shows time remaining until release
▸ Manual only and Automatic & Manual mode select
▸ 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

### Disablement Switch Features

▸ High brightness LED's
▸ Detailed indication of the status of the Control Panel
▸ Supervised data connection

### Description

The Sigma A-Si range of status indicators provides 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 that shows a countdown of the time remaining until release in seconds.

Up to seven Sigma A-SI status units can be connected to the Sigma A-XT serial bus and require just two cores for data and two cores for power. Once connected, status units are supervised, and the Sigma A-XT control panel will indicate a trouble condition should any unit become disconnected.

| K1821-11 | K1821-13 | K1821-15 |

| K1821-17 | K1821-19 | K1823-10 | K1832-10 |

### Equipment

| Product Code | Description | Size (mm) |
|---|---|---|
| K1821-11 | 6 lamp status unit surface mount - red | 190 x 136 x 50 |
| K1821-41 | 6 lamp status unit surface mount - grey | 190 x 136 x 50 |
| K1821-13 | 6 lamp status unit with mode select keyswitch surface mount - red | 190 x 136 x 50 |
| K1821-43 | 6 lamp status unit with mode select keyswitch surface mount - grey | 190 x 136 x 50 |
| K1821-15* | 6 lamp status unit with manual release surface mount - red | 190 x 136 x 50 |
| K1821-45* | 6 lamp status unit with manual release surface mount - grey | 190 x 136 x 50 |
| K1821-17* | 6 lamp status unit with mode select keyswitch & manual release surface mount - red | 190 x 136 x 50 |
| K1821-47* | 6 lamp status unit with mode select keyswitch & manual release surface mount - grey | 190 x 136 x 50 |
| K1821-19* | 10 lamp status unit with mode select keyswitch & manual release surface mount - red | 190 x 136 x 50 |
| K1821-49* | 10 lamp status unit with mode select keyswitch & manual release surface mount - grey | 190 x 136 x 50 |

* Not UL/FM Listed

## Equipment

| Product Code | Description | Size (mm) |
| --- | --- | --- |
| K1823-10 | Elite Extinguishing Abort switch surface mount - red | 102 x 102 x 59 |
| K1823-40 | Elite Extinguishing Abort switch surface mount - grey | 102 x 102 x 59 |
| K1832-10 | Elite Disablement switch surface mount - red | 102 x 102 x 59 |
| K1832-40 | Elite Disablement switch surface mount - grey | 102 x 102 x 59 |

## Sigma A-Si Specifications

| | |
| --- | --- |
| Construction | 1.2mm mild sheet steel |
| IP Rating | IP30 |
| Colour - lid & box | Red (optional grey) |
| Power supply | 21 to 30 V DC |
| Maximum current draw | 0.07A |
| Max. number of status units | 7 |
| Quiescent current | 0.033A |
| Cable capacity | 2.5mm² per terminal |
| Monitored inputs end of line resistor | 6K8 0.5W Resistor |
| Monitored inputs normal threshold | 8K ohm to 1K ohm |
| Monitored inputs trigger threshold | 700 ohms to 100 ohms |
| Monitored inputs short circuit threshold | 99 ohms to 0 ohms |
| Data connection | Two wire RS485 connection (max 1200 metres) |

**Manual Only** ◯
**Auto/Manual** ◯
**Abort Activated** ◯
**Disabled** ◯
**Imminent** ◯
**Released** ◯
**Fire Zone 1** ◯
**Fire Zone 2** ◯
**Fire Zone 3** ◯
**Trouble** ◯

## Abort Switch Specifications

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

Datasheet DS73/04/17

**For further information visit www.kentec.co.uk**