

FM



Sigma A-Si

Extinguishant Status Indicators

NOT
SUITABLE
FOR EU
MARKETS



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.

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

Disablement Switch Features

- Key removable in either position
- Both sides of solenoid circuit are mechanically disabled during activation
- Disablement illuminated at panel when active



Model No. K1821-I1



Model No. K1821-I3



Model No. K1821-I5



Model No. K1821-I7



Model No. K1821-I9



Model No. K1823-I0



Part No. K1832-I0

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 - grey | 186 x 132 x 50 |
| 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 - grey | 186 x 132 x 50 |
| 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 - grey | 186 x 132 x 50 |
| 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 - grey | 186 x 132 x 50 |
| 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 - grey | 186 x 132 x 50 |
| K1823-10 | Elite Extinguishing Abort switch surface mount - red | 98 x 98 x 59 |
| K1823-40 | Elite Extinguishing Abort switch surface mount - grey | 98 x 98 x 59 |
| K1832-10 | Elite Disablement switch surface mount - red | 98 x 98 x 59 |
| K1832-40 | Elite Disablement switch surface mount - grey | 98 x 98 x 59 |

* Not UL/FM Listed

Sigma A-Si Technical

| | |
|--|---|
| 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 | - 2.5mm ² 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 | - 99 ohms to 0 ohms |
| Short circuit threshold | |
| Data connection | - Two wire RS485 connection (max 1200 metres) |

| | |
|-----------------|-----------------------|
| 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"/> |

Abort Switch Technical

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