

Supreme Status indicators & Ancillary PCB

Supreme Abort Switch

Releasing System Status Indicators



Part No.AS1821-13



Part No.AS1890



Supreme Abort Switch

Part No.AS1823-10



Disablement Switch

Part No.AS1832-10



Supreme Status indicators Features

- UL Listed as per UL864
- 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 key switch option
- Four wire connection (data and power)
- Robust, high quality enclosure
- Easy access to terminals
- Remote Abort input (supervised)
- Internal trouble diagnosis indicators

Ancillary PCB Features

- Two wire serial connection
- Up to 7 per system
- Volt free relay outputs for fire and releasing system status
- Relay operated LED 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

Abort Switch Product Overview

The Supreme Abort switch connects to the Abort terminals of the Supreme XT releasing panel. Any number of Supreme 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 Supreme 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.

Supreme Status indicators Product Overview

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

Ancillary PCB Product Overview

- The Supreme XT Ancillary Board is compatible with all Supreme XT control panels.
- The board provides volt free normally open contacts allowing control of sub-systems and plant remotely from the main panel over a two wire data bus.
- Ancillary boards require only a two core data cable from the main control panel and a two core power cable from the main panel.
- Up to 7 Ancillary boards can be connected to a control panel and each is allocated an address from 1 to 7 using a binary coded DIL switch. The total length of the data cable from the main panel to the last repeater must not exceed 4000 feet.
- A mixture of status units and Ancillary boards, up to a maximum of 7 of each type, can be connected to the serial data bus.

Supreme Status indicators Technical Specifications

Size: 7.3" (W) x 5.2" (H) x 1.9" (D)
Power Supply: 21 to 30 V DC
Maximum current draw: 0.07A
Max. number of status units: 7
Quiescent current: 0.033A
Cable capacity: 12 AWG
Supervised inputs end of line resistor: 6K8 0.5W Resistor
Supervised inputs normal impedance: 6.8K
Supervised inputs trigger impedance: 470 Ohms
Supervised inputs short circuit threshold: 99 ohms to 0 ohms
Data connection: Two wire RS485 connection (max 4000 feet)

Ordering Codes

Part Number	Description
AS1821-11	6 lamp status indicator surface mount - red
AS1821-41	6 lamp status indicator surface mount - gray
AS1821-12	6 lamp status indicator flush mount - red
AS1821-42	6 lamp status indicator flush mount - gray
AS1821-13	6 lamp status indicator with mode select key switch surface mount - red
AS1821-43	6 lamp status indicator with mode select key switch surface mount - gray
AS1821-14	6 lamp status indicator with mode select key switch flush mount - red
AS1821-44	6 lamp status indicator with mode select key switch flush mount - gray
AS1822-00	Ancillary Board
AS1822-10	Ancillary Board with cabinet - red
AS1822-40	Ancillary Board with cabinet - gray
AS1823-10	Abort switch surface mount - red
AS1823-40	Extinguishing Abort switch surface mount - gray
AS1832-10	Disablement switch surface mount - red
AS1832-40	Disablement Abort switch surface mount - gray

Ancillary PCB Technical Specifications

Size (PCB only): 6.1" (W) x 5.35" (H)
Size (Boxed PCB): 15.1" (W) x 12.2" (H) x 3.54" (D)
Construction (Boxed): 18 AWG mild steel
Supply voltage: 20-30V DC
Contact ratings: 30V DC 1 Amp
Cable capacity: 12 AWG
Operating temperature: 23°F to 122°F
Operating humidity: <95% (non-condensing)

Abort Switch Technical Specifications

Size: 3.81" (W) x 3.81" (H) x 2.32" (D)
Color : Standard red or gray
Switch rating: 1A at 30V DC
Trigger resistor: 470 Ohms 1W
End of line resistor: 6K8 1/2 W