

## Elite Status indicators & Ancillary PCB

### Elite Abort Switch

Releasing System Status Indicators



Part No. VF1821-13



Elite Abort Switch  
Part No. VF1823-10



Part No. VF1890



Disabling Switch  
Part No. VF1832-10



### Elite Status indicators Features

- UL 864 and FM approved
- 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)
- 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

### Disabling Switch Features

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

### Elite Status indicators Product Overview

- The Elite Status indicators range of status indicators provide detailed status information for Elite 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

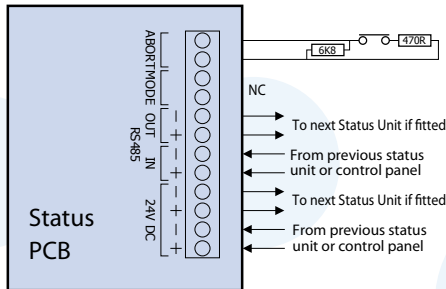
- The Elite XT Ancillary Board is compatible with all Elite XT control panels.
- The board provides volt free normally open contacts allowing control of sub-systems and plant remotely from the main panel over a two wire data bus.
- Ancillary boards require only a two core data cable from the main control 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.

### Abort Switch Product Overview

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

## Elite Status indicators Technical Specifications

<b>Size:</b> 7.3" (W) x 5.2" (H) x 1.9" (D)
<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> 12 AWG
<b>Supervised inputs end of line resistor:</b> 6K8 0.5W Resistor
<b>Supervised inputs normal impedance:</b> 6.8K
<b>Supervised inputs trigger impedance:</b> 470 Ohms
<b>Supervised inputs short circuit threshold:</b> 99 ohms to 0 ohms
<b>Data connection:</b> Two wire RS485 connection (max 4000 feet)



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"/>

## Ancillary PCB Technical Specifications

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

## Ordering Codes

Part number	Description
VF1821-11	6 lamp status indicator surface mount - red
VF1821-41	6 lamp status indicator surface mount - gray
VF1821-12	6 lamp status indicator flush mount - red
VF1821-42	6 lamp status indicator flush mount - gray
VF1821-13	6 lamp status indicator with mode select keyswitch surface mount - red
VF1821-43	6 lamp status indicator with mode select keyswitch surface mount - gray
VF1821-14	6 lamp status indicator with mode select keyswitch flush mount - red
VF1821-44	6 lamp status indicator with mode select keyswitch flush mount - gray
VF1822-00	Elite Ancillary Board
VF1822-10	Elite Ancillary Board with cabinet - red
VF1822-40	Elite Ancillary Board with cabinet - gray
VF1823-10	Elite Extinguishing Abort switch surface mount - red
VF1823-40	Elite Extinguishing Abort switch surface mount - gray
VF1832-10	Elite Disabling Abort switch surface mount - red
VF1832-40	Elite Disabling Abort switch surface mount - gray

## Abort Switch Technical Specifications

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