

# RELEASING SYSTEM PERIPHERALS

STATUS INDICATORS, ANCILLARY PCB, ABORT SWITCH, DISABLEMENT SWITCH



**Status Indicators**  
VF1821-13



**Abort Switch**  
VF1823-10



**Disablement Switch**  
VF1823-10



**Ancillary PCB**  
VF1822-X0

## Standard Features

### Supreme Status Indicators

- 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

- 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

- Key removable in either position
- Both sides of solenoid circuit are mechanically disabled during activation
- <sup>56</sup>Disablement illuminated at panel when active

## Ordering Codes

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 w/ mode select keyswitch surface mount - red
VF1821-43	6 lamp status indicator w/ mode select keyswitch surface mount - gray
VF1821-14	6 lamp status indicator w/ mode select keyswitch flush mount - red
VF1821-44	6 lamp status indicator w/ mode select keyswitch flush mount - gray
VF1822-00	Supreme Ancillary Board
VF1822-10	Supreme Ancillary Board with cabinet - red
VF1822-40	Supreme Ancillary Board with cabinet - gray
VF1823-10	Supreme Extinguishing Abort switch surface mount - red
VF1823-40	Supreme Extinguishing Abort switch surface mount - gray
VF1832-10/-40	Disablement Switch (red/ gray)



## Product Overview

### Supreme Status Indicators

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

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 Ancillary board 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

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.

### Ancillary PCB Technical Specifications

Size	6.1" (W) x 5.35" (H)
Size with Box	15.1" (W) x 12.2" (H) x 3.54" (D)
Construction (Boxed)	18 AWG mild steel
Supply Voltage	20-30 VDC
Contact Ratings	30VDC - 1A
Cable Capacity	12 AWG
Operating Temperature	22°F - 122°F
Operating Humidity	up to 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
Trigger Resistor	470ohm 1W
End-of-Line Resistor	6K8 1/2 W

### Status Indicator Technical Specifications

Size	7.3" (W) x 5.2" (H) x 1.9" (D)
Power Supply	21 to 30 V
Maximum Current Draw	0.07A
Maximum Number of Status Units	7
Quiescent Current	0.033A
Cable Capacity	12 AWG
Supervised Inputs End-of-Line Resistor	6K8 ohm 0.5W Resistor
Supervised Inputs Normal Impedance	6.8K ohm
Supervised Inputs Trigger Impedance	470 ohm
Supervised Inputs Short Circuit Threshold	99 Ohms to 0 Ohms
Data connection	Two wire RS485 connection (max 4000 feet)