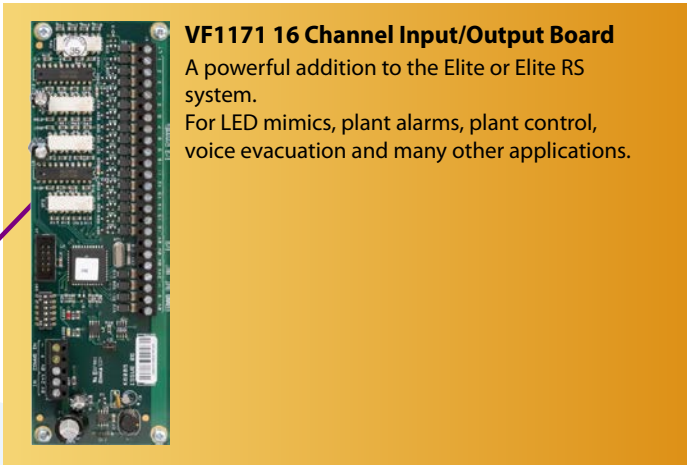


## VF1171-00

### 16 Channel Input/ Output Board



#### VF1171 16 Channel Input/Output Board

A powerful addition to the Elite or Elite RS system.  
For LED mimics, plant alarms, plant control, voice evacuation and many other applications.



### Standard Features

- UL approved
- 16 channels
- Each channel configurable as input or output
- Inputs opto-isolated
- Outputs open collector transistor
- Simple 2 wire connection to control panel
- Up to 32 boards supported per panel (512 Input/Output Channels)
- Inputs and outputs configurable as per field devices
- Full cause and effects on all inputs and outputs
- Multi drop RS485 communications
- Can be used with other Elite I/O modules on the same panel
- Compatible with Elite RS panels

### Product Overview

- To add more I/O capability to the extensive options already offered by the Elite control panel, up to thirty-two, sixteen channel I/O boards may be connected.
- When using a simple two-wire RS485 communications protocol, these boards may be mounted locally to the control panel or distributed on a bus up to 3,900 feet long by using a suitable cable.
- The flexibility of these boards is further enhanced by the fact that each of the channels is configurable as either an input or an output.
- Each channel may also be configured to produce a variety of input actions or respond to a variety of output types.
- All channels can contribute to, or respond to, system-wide cause and effects logic.
- Typical uses for I/O boards include geographical LED mimic displays and plant alarm inputs.
- Standard Elite control panels contain fixings for one I/O board, which can easily be connected using four small signal wires to the power and comms bus within the panel.
- Consideration must be taken as to the loading on the main panel.

### Technical Specifications

<b>Supply voltage:</b> 21 - 30V DC
<b>Quiescent current consumption:</b> 20mA
<b>Current per input:</b> 3mA (maximum)
<b>Current per output:</b> 100mA (maximum)
<b>Communications:</b> RS485 two wire
<b>Max. distance from panel:</b> 3900 feet (using correct type of cable)
<b>PCB size:</b> 7.5" H x 2.4" W
<b>Cable capacity:</b> 2.5mm per terminal
<b>Operating temperature:</b> 14° F to 122° F (-10° C to 50° C)
<b>Operating humidity:</b> to 95% (non condensing)



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