

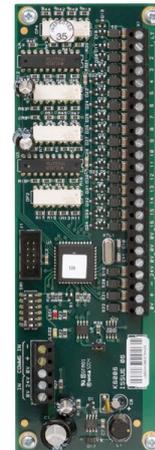


ELITE I/O

16 Channel Input/Output Board

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



Description

To add more I/O capability to the extensive options already offered by the Elite RS 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 1200 meters 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 RS control panels contain fixings for one I/O board, which can easily be connected using four small signal wires to the power and comms buss within the panel.

Consideration must be taken as to the loading on the main panel.

Specification

Product code	K1171-00
Supply voltage	21-30V DC
Quiescent current consumption	20mA
Current per input	3mA (maximum)
Current per output	100mA (maximum)
Communications	RS485 two wire
Max. distance from panel	1200 metres (using correct type of cable)
PCB size	190mm x 61mm
Cable capacity	2.5mm per terminal
Operating temperature	-10c to 50c
Operating humidity	To 95% (non condensing)