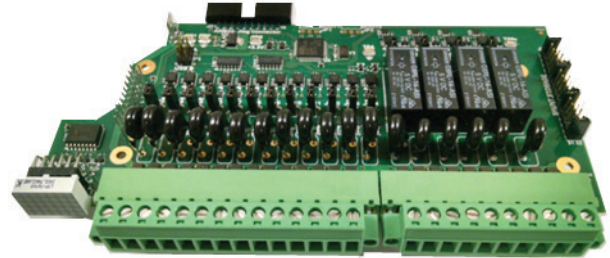# OrionLXm Discrete I/O

A discrete I/O module is now available for the OrionLXm. This module offers 12 inputs in two groups of six, plus two Form A (NO) outputs and two Form C (NO/NC) outputs. Outputs are monitored by a built-in input circuit. If outputs are not required, these monitoring inputs can be used as general-purpose wide-range inputs, bring the total to 16 inputs.

When ordered, this I/O module occupies one of the OrionLXm option card slots. Two I/O modules can be ordered to occupy both slots, for a total of 24 inputs and 8 outputs, or 32 inputs.

- Four RS-232/485 serial ports
- Four ST serial fiber ports
- Discrete I/O 12-in/4-out or 16-in
- One Bit Synchronous port and three RS-232/485 ports

One I/O card
One serial card

Two I/O cards

One or two discrete I/O modules can be installed in an OrionLXm.

Specifications

Inputs
- Twelve selectable-range inputs in two groups of six inputs
- Two ranges, jumper selectable:
- 10-70V dc (for 12V dc and 48V dc applications)
- 80-280V dc (for 125V dc and 250V dc applications)
- Four additional wide-range inputs if outputs not used
- Input circuit draw: 2.5mA max
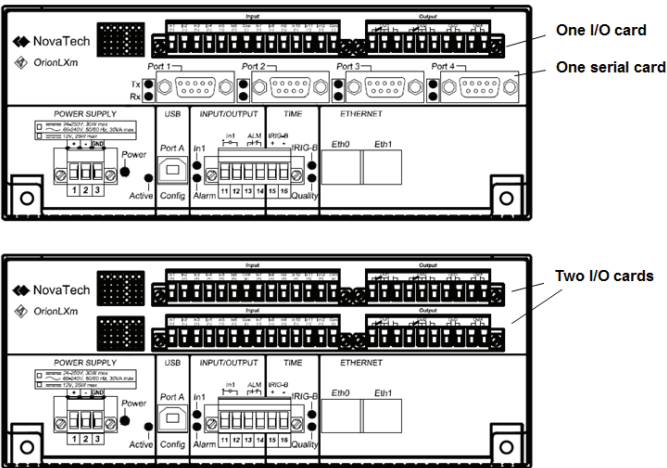- Inputs time-stamped to wintin 25mS or better

Outputs
- Heavy-duty protective relay-grade for dire connection to circuit breaker trip coils
- Four isolated outputs:
- Two Form A (NO, two terminal each)
- Two Form C (NO/NC, three terminals each)
- Output state monitored with internal input. This circuit can be jumpered out if desired.

All input and output connectors are removable Phoenix-type screw terminals for 12 to 24 AWG wiring. Terminals can be positively retained with screws.

Environmental
- -40ºC to +70ºC
- Designed to meet C37.90 fast transient, RFI and electrostatic discharge

Terminal Designations

In1 (+)	In2 (+)	In3 (+)	In4 (+)	In5 (+)	In6 (+)	Com (-)	In7 (+)	In8 (+)	In9 (+)	In10 (+)	In11 (+)	In12 (+)	Com (-)

Two groups of six inputs each

51	52	53	54	55	56	57	58	59	60	61	62	63	64

Input Terminal Numbering

Out1   Out2   Out3   Out4

Two Form C outputs   Two Form A outputs

71	72	73	74	75	76	77	78	79	80

Output Terminal Numbering

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