



10 Newton Place
P.O. Box 5574
Hamilton
New Zealand

Phone: +64 (7) 847 3396
Fax: +64 (7) 847 0840
Email: dan@jaymor.co.nz

JAYMOR INTERFACE MODULE II - PRELIMINARY SPECIFICATIONS

Power Supply

- 9 - 36VDC supply
- Short-circuit protected
- Reverse polarity protected
- Supply indicator LED

Analog Input

- 5VDC, 0.1A output supply (suited to JC6000 and similar Hall effect sensors)
- 2 x software configurable inputs
 - 0 to 10VDC, 12 bit resolution
 - 0 to 5VDC, 12 bit resolution
 - +/- 10VDC, 12 bit resolution
 - +/- 5VDC, 12 bit resolution
- Software selectable input minimum, maximum and centre voltages.
- Fault indicator LED for software fault checking of "short circuit" and "no connect" faults.

Relay Output (*available on all daughter board versions*)

- 2 relay outputs rated to 1A @ 30VDC per input channel (4 outputs total).
- Isolated relay common, allowing for either sink or source output up to 30VDC.
- Software selectable switching levels for ON and OFF voltage, allowing hysteresis to be custom set.
- Individual indicator LED for each output.

PWM Output (*PWM daughter board only*)

- 2 PWM outputs rated to 3A @ 30VDC per input channel (4 outputs total).
- Isolated PWM supply, capable of 10 to 30VDC.
- Software selectable PWM frequency.
- Software selectable ramps, deadbands, maximum and minimum duty cycles.
- Individual indicator LED for each output channel with proportional brightness.

Analog Voltage Output (*Voltage daughter board only*)

- 2 analog voltage outputs per input channel (4 outputs total).
- 12 bit resolution, +/-10VDC, 20mA per channel.
- Software selectable output minimum, maximum and centre voltages.
- Software selectable ramps and deadbands.
- 2 indicator LED's per channel (FWD & REV)

Analog Current Output (*Current daughter board only*)

- 2 analog current outputs per input channel (4 outputs total).
- 12 bit resolution, 10 to 100mA per channel.
- Software selectable output minimum, maximum and centre current.
- Software selectable ramps and deadbands.
- 2 indicator LED's per channel (FWD & REV)

Ethernet

- 10/100 Ethernet port on all models, used for software configuration and module setup.