

### Product Description

The Lynxspring JM34-160810 I/O module is an extremely diverse 34 point control module. With 16 Universal Inputs, 8 Analog Outputs, and 10 Digital Outputs JM34 is fully capable of controlling the largest Air Handling Unit to complex Chilled Water Plant applications. With the programming capabilities afforded by JENEsys™ and the freely programmable JENE – PC1000 controller no application is out of reach.

In conjunction with a JENE-PC1000 the JM34 I/O module is designed with diversity in mind. With all of the I/O capabilities afforded with the design the ability to perform complex control schemes is easily accomplished. For applications that require additional hardware points the JM34 can be mounted with (2) additional JM16 I/O modules.



### Features and Application Highlights

- 16 Universal Inputs: Capable of measuring type III 10K ohm Thermistors, resistive inputs, 0-10 Vdc, 4-20 mA, and Binary Inputs (contact closure or pulse counter).
- 8 Analog Outputs: Provide a 0-10 Vdc output to control devices such as Variable Frequency Drives and actuators.
- 10 Digital Outputs: Each relay output is rated to switch loads up to 5A, 250Vac, 30Vdc.

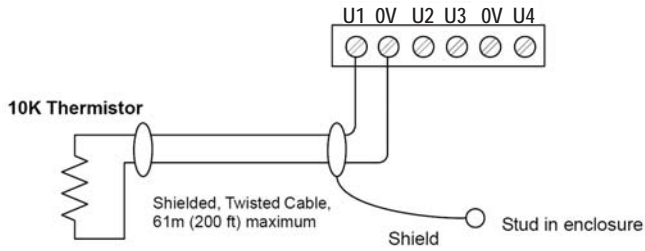
### Technical Data

- |                            |   |
|----------------------------|---|
| <b>Power</b>               | <ul style="list-style-type: none"> <li>• 24VAC @ 8.5VA</li> </ul>   |
| <b>16 Universal Inputs</b> | <ul style="list-style-type: none"> <li>• Type III 10K ohm Thermistors</li> <li>• Resistance 0-100 K ohms</li> <li>• 0-10 Vdc</li> <li>• 4-20 mA with the use of a 499 ohm resistor</li> <li>• Binary Inputs minimum dwell time &gt; 500 ms (Pulse counter range 20 Hz, 50% duty cycle)</li> </ul> |
| <b>8 Analog Outputs</b>    | <ul style="list-style-type: none"> <li>• 0-10 Vdc Each</li> <li>• AO can supply at least 4mA over the entire 0-10 Vdc range.</li> </ul>   |
| <b>10 Digital Outputs</b>  | <ul style="list-style-type: none"> <li>• Capable of switching loads up to 5A, 250Vac or 30Vdc</li> </ul>  |
| <b>Environment</b>         | <ul style="list-style-type: none"> <li>• Operating temperature range: 0°C to 50°C (32°F to 122°F).</li> <li>• Storage Temperature range: -20°C to 60°C (-4°F to 140°F).</li> <li>• Relative humidity range: 5% to 95%, non-condensing.</li> </ul>   |

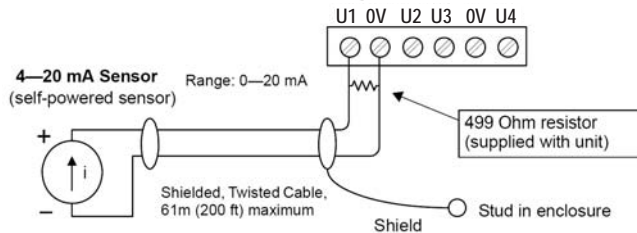
### Ordering Information

Model #	Description
JM34-160810	JENEsys™ 34 Point I/O Module

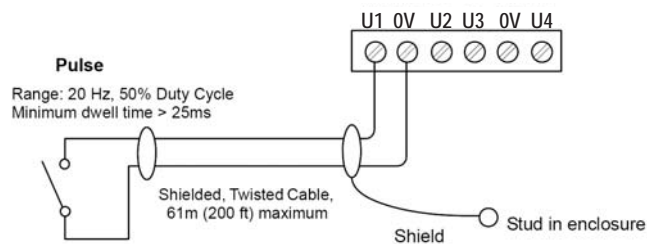
### Thermistor Input Wiring



### 4-20 mA Input Wiring

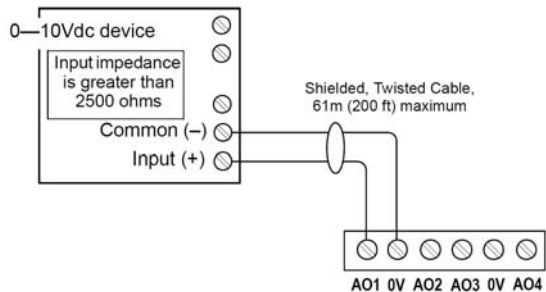


### Binary Input Wiring – Pulse Counter

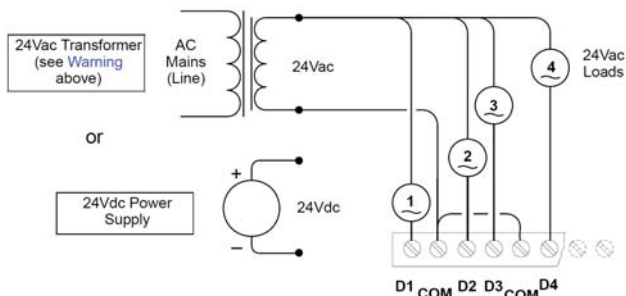


Use point: **CounterInputPoint**

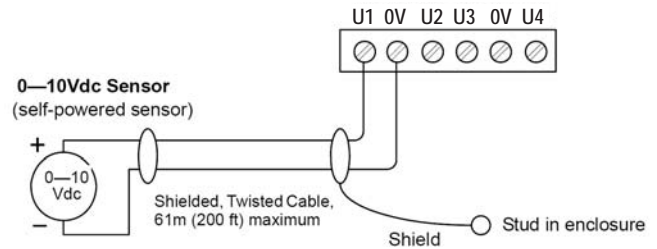
### 0-10 Vdc Output Wiring



### Digital Output Wiring

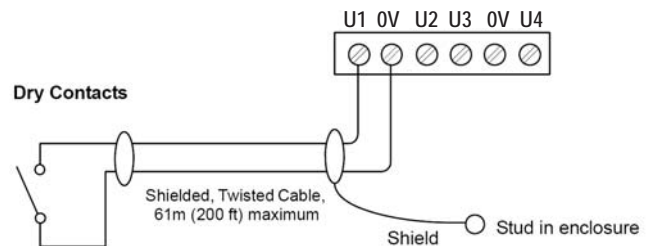


### 0-10 Vdc Input Wiring



Range: 0-10 Vdc  
Input Impedance > 5K ohms

### Binary Input Wiring – Dry Contact



Use point: **BooleanInputPoint**

### 24Vac Power Wiring

