

# Input/Output Module

## Self-Installable Remote Sensing & Control for Low-Power Devices

### Advantages

- Simple plug-in installation
- No new wires
  - ▶ **Communicates over existing AC power lines**
- UPB technology delivers...
  - ▶ **Exceptional reliability and noise immunity**
  - ▶ **Lowest installed cost compared to hardwired and RF solutions**
  - ▶ **No interference between adjacent homes**
- Easily reconfigurable - change control strategy without rewiring

### Product Description

Model UMI is a plug-in module designed to identify and transmit the status of low voltage inputs and contact closures, and to control the operation of low-power actuators based on digital commands received over the powerline. The module communicates using the highly-reliable Universal Powerline Bus (UPB) technology. UPB devices such as Model UMI are easily integrated to provide a flexible, low-cost alternative to hardwired or RF home automation strategies.

Model UMI is useful for detecting events such as a ringing telephone or doorbell, or for monitoring alarm switches on doors and windows, or for sensing audio signals from a sound system. The outputs deliver on/off control for low-power electrical devices such as door strikes, drapery controls, central vacuum controls, electric fireplace actuators, garage door openers, sprinkler valves, etc. Installation is simple: the module is plugged into a standard 120VAC outlet and the devices to be monitored/controlled are wired into a terminal block on the bottom of the module. A non-controlled 120VAC outlet is also provided on the face of the module. Connected devices can be operated manually using a multi-button controller, or automatically via PC or home automation server.

Prices and specifications subject to change without notice.

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Model UMI-32-W = (3) Input + (2) Output Module, White

### Specifications

Power: 120VAC +/- 10%, 60Hz, 83mA

#### Inputs (UMI-32):

- |           |  |
|-----------|--|
| Input #1: | <ul style="list-style-type: none"> <li>• 4-5V AC/DC sense or phoneline (ring detect)</li> <li>• 100 VDC / 140 VAC max.</li> <li>• min. pulse duration: 161 mS</li> </ul>   |
| Input #2: | <ul style="list-style-type: none"> <li>• 4-5V AC/DC sense or contact closure</li> <li>• 30 VDC / 42 VAC max.</li> <li>• min. pulse duration: 73 mS</li> </ul>  |
| Input #3: | <ul style="list-style-type: none"> <li>• 4-5V AC/DC sense, 200mA sense (doorbell), or contact closure, or line level audio presence</li> <li>• 30 VDC / 42 VAC max.</li> <li>• min. pulse duration: 73 mS</li> </ul> |

All inputs are isolated from each other and from power.

#### Outputs (UMI-32):

- |                 |                        |
|-----------------|------------------------|
| Quantity:       | 2 for model UMI-32     |
| Output Type:    | isolated solid-state   |
| Maximum Rating: | 60 VDC / 84 VAC @400mA |

I/O Termination: screwless, #22 to #14AWG solid wire

"Always On" Outlet: 120VAC @15A

Operating Temperature: 30-120°F (0-50°C)

#### Physical:

- |             |  |
|-------------|--|
| Dimensions: | 3.4"H x 2.6"W x 1.5"D (86 x 65 x 38mm) |
| Weight:     | 8 oz (220g)                            |
| Mounting:   | Plug-in                                |

Safety: ETL listed



Home Automation Made Simple.