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: • 4-5V AC/DC sense or phoneline (ring detect)

100 VDC / 140 VAC max.min. pulse duration: 161 mS

Input #2: • 4-5V AC/DC sense or contact closure

30 VDC / 42 VAC max.min. pulse duration: 73 mS

Input #3: • 4-5V AC/DC sense, 200mA sense

(doorbell), or contact closure, or line level audio presence

30 VDC / 42 VAC max.
min. pulse duration: 73 mS

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.