ASi Controls

ASIC/3-USBIO (Preliminary)

USB I/O Expander Features

- Eight universal 0-10Vdc inputs
- Eight pilot duty relay outputs
- Four analog 0-10Vdc outputs
- USB powered
- Plug and play connectivity
- Compatible with ASIC/3 products
- Second module added via powered USB hub
- Low cost
- Compact, low profile design

The USB I/O Expander provides low-cost, easy to implement I/O expansion for the ASIC/3 programmable controller family. Simply connect the I/O Expander to the ASIC/3 USB host port and immediately start using the additional eight analog inputs, eight relay outputs, and four analog outputs.

The Expander is powered solely from the host controller's USB port. A standard USB 2.0, A-Male to Mini-B cable carries both communications and power. This allows easy installation—saving wiring and installtion costs. A second USB I/O Expander can be added with the use of a standard USB powered hub.

The Expander features eight universal 0-10Vdc,12-bit inputs,eight relay outputs with complete electrical isolation, and four 0-10Vdc,10-bit, 20mA Max Analog Outputs

By connecting the Expander to an ASIC/3 controller, all of the new inputs and outputs are automatically added to the host controller's I/O count. This additional I/O looks identical to the host's native I/O and is configured the same way with Visual Expert.

Specifications

Control Power
USB Port Powered, 600mA Max

Binary Outputs: 8
Type: 8 Form A Relays
Voltage rating: 24 Vac, 1 Amp, MOV protected
                       Maximum combined current not
                       to exceed 3A

Analog Outputs: 4
Rating: 0-10 Vdc, 20 mA at 10Vdc
Protection: TVS, 10 V, 600 W peak

Inputs: 8
Type: Universal Analog/Binary
Range: 0 to 10 Vdc,12 bit, 0.1% full scale

ASI Communications
Proprietary ASI Protocol Via USB Port
Protection: ESD Transient Suppressor
                      Device

Connections
I/O: Screw Terminal
Communications: Mini-USB Device Port

Other
Indication: 8 Amber Output LEDs, One Red/
                     Blue Power/Status LED
Dimensions: 3.3" x 5.75" x 1.0"
                     102 mm x 146 mm x 26 mm
Weight: 0.6 lb (0.3 kg)
Operating Range: 45°C maximum (+113°F)
                     10 to 95% RH non-condensing

How to order	Order Number
USB I/O-Expander	ASIC/3-USBIO

Software & Documentation	Order Number
ASI Expert Configuration Software	ASI Expert
USB I/O Expander User Manual	USBIO Manual

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