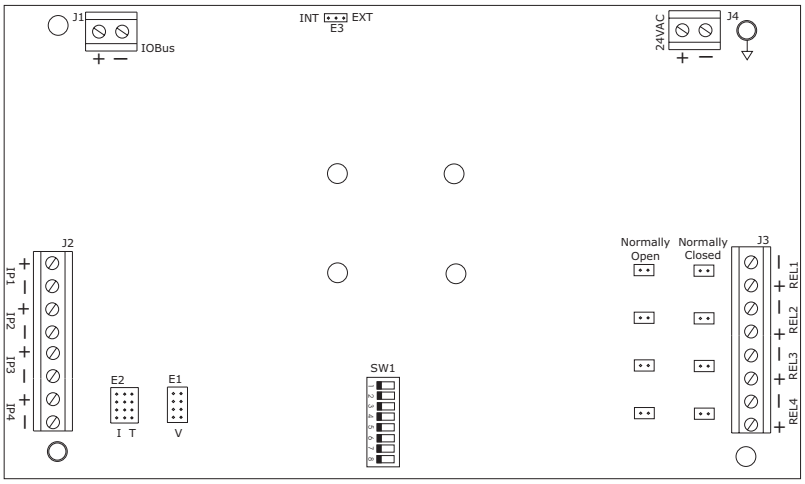
WALKER SYSTEMS
building intelligence

IOB-I4R4
(I/O Bus Expansion Module)
PRELIMINARY



APPLICATIONS

- increase any SAC's I/O count by 4 universal inputs and 4 relays
- add up to a maximum of 24 I/O Bus modules to any SAC

FEATURES

- plug and play
- 4 universal inputs
- 4 relays (contact closure)
- Contact closure can be normally open or normally closed
- power supply over-current protection
- low power consumption
- PIC microprocessor for communication
- optically isolated communication
- Walker ASCII protocol
- easy installation
- selectable address (0 - 24)

Mounting

- fits on a WSOP16 backplate or can be mounted on DIN rail

Power

- 24 VAC

Wiring

- 18 AWG twisted shielded pair

DESCRIPTION

The IOB-I4R4 I/O Bus Expansion Module provides an additional 4 relays and 4 universal input points to any SAC installation.

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Open Energy Management Equipment LISTED 916 PAZX

FORM # WSC99-092

IOB-I4R4

TECHNICAL SPECIFICATIONS

POINT CONFIGURATION

MODULE	UNIVERSAL INPUTS	OUTPUTS
IOB-I4R4	4	4

INPUTS

TYPE	USAGE	RANGES	DEVICES	DISPLAY
Universal	Voltage	0-1 VDC / 0-5 VDC / 0-10 VDC	standard devices	0 to 100%
	current	1-5 VDC / 2-10 VDC	standard devices	0 to 100%
		0-20 mA / 4-20 mA / 0-50 mA	current transducers	0 to 100%
	digital	1 mA to GND / 10 mA to GND	contact closures	user defined
	temperature	-10°C to 140°C (14°F to 284°F)	3k thermistor	temperature
	temperature	-40°C to 40°C (-40°F to 104°F)	1k thermistor	temperature
	existing sensors	inputs can be adapted to operate with existing sensors		temperature, etc.

OUTPUTS

TYPE	USAGE	RANGES	CAPACITY	DISPLAY
mechanical relay	contact closure	mechanical contact closure	2 A @ 30 VDC 500, 000 ops	user defined

ELECTRICAL / MECHANICAL

MODULE	BOARD SIZE	I/O BUS LOADING	
		without external AC power supply*	with external AC power supply*
IOB-I4R4	104 x 140 mm	32 units of load	1 unit of load

* external 24 VAC transformer rating must be rated at 10 VA or higher
25.4mm = 1.0 inches

ENVIRONMENTAL

OPERATING TEMPERATURE	STORAGE TEMPERATURE	RELATIVE HUMIDITY
0°C to 50°C (32°F to 122°F)	-35°C to 66°C (-31°F to 151°F)	0 to 95% RH, non-condensing