



## APPLICATIONS

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

## FEATURES

- plug and play
- 4 universal inputs
- 4 rugged universal outputs
- power supply over-current protection
- low power consumption
- PIC microprocessor for communication
- optically isolated communication
- Walker ASCII protocol
- easy installation
- selectable address (0 - 24)

### POWER

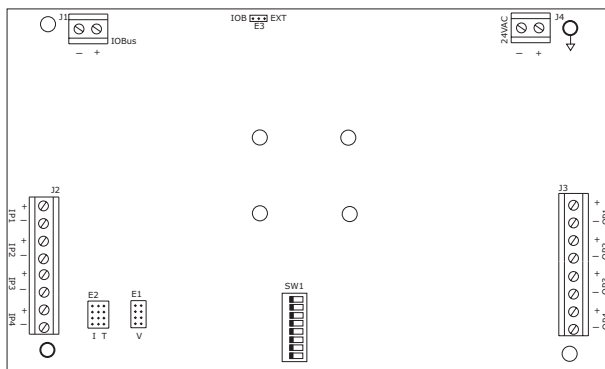
- 24 VAC

### MOUNTING

- fits on a WSOP16 backplate

### WIRING

- 18 AWG twisted shielded pair



## DESCRIPTION

The IOB-IP4OP4 I/O Bus Expansion Module provides an additional 4 universal output and 4 universal input points to any SAC installation.

# IOB-IP4OP4

## TECHNICAL SPECIFICATIONS

### POINT CONFIGURATION

MODULE	UNIVERSAL INPUTS	UNIVERSAL OUTPUTS
IOB-IP4OP4	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
Universal	Voltage	0-10 VDC*	40 mA**	0 to 100%
	current	4-20 mA	500 Ω	0 to 100%
		4-20 mA	250 Ω	0 to 100%
	digital	0-10 VDC	40 mA	user defined

\* Fully modulating linear output with 10 bit accuracy

\*\* Internal current limiting

### ELECTRICAL / MECHANICAL

MODULE	BOARD SIZE	I/O BUS LOADING	
		without external AC power supply*	with external AC power supply*
IOB-IP4OP4	104 x 140 mm	20 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