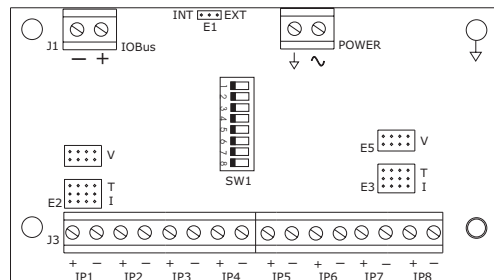
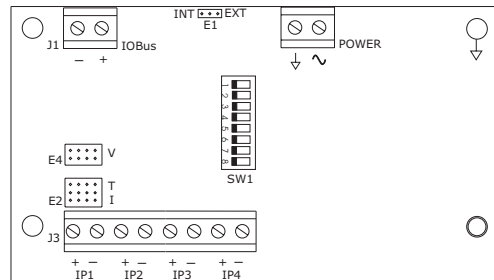
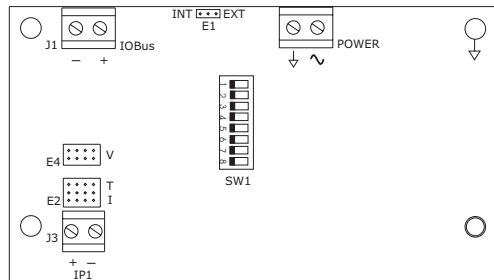




# WALKER SYSTEMS

building intelligence



## DESCRIPTION

The IOB-IP1, IOB-IP4 and IOB-IP8 I/O Bus Expansion Modules provide additional universal input points to any SAC installation.

## IOB-IP1/IOB-IP4/IOB-IP8 (I/O BUS EXPANSION MODULES)

### APPLICATIONS

- increase any SAC's universal input count by increments of 1, 4 or 8 inputs
- add up to a maximum of 24 I/O Bus modules to any SAC

### FEATURES

- plug and play
- 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

- powered from I/O Bus or 24 VAC

### MOUNTING

- fits on a WSD08 backplate
- Snaptrack™ mountable (6TK Series)

### WIRING

- 18 AWG twisted shielded pair

# IOB-IP1 / IOB-IP4 / IOB-IP8

## TECHNICAL SPECIFICATIONS

### POINT CONFIGURATION

MODULE	UNIVERSAL INPUTS	UNIVERSAL OUTPUTS	DIGITAL OUTPUTS
IOB-IP1	1	N/A	N/A
IOB-IP4	4	N/A	N/A
IOB-IP8	8	N/A	N/A

### 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.

### ELECTRICAL / MECHANICAL

MODULE	BOARD SIZE	I/O BUS LOADING	
		without external AC power supply*	with external AC power supply*
IOB-IP1	50 x 101 mm	1 units of load	1 unit of load
IOB-IP4	50 x 101 mm	4 units of load	1 unit of load
IOB-IP8	50 x 101 mm	8 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