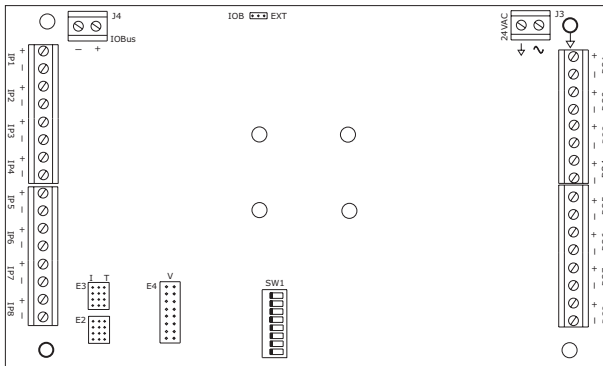




**WALKER SYSTEMS**  
building intelligence



## DESCRIPTION

The IOB-IP8DO8 I/O Bus Expansion Module provides an additional 8 universal input and 8 digital output points to any SAC installation.

## IOB-IP8DO8 (I/O BUS EXPANSION MODULES)

### APPLICATIONS

- increase any SAC's I/O count by 8 universal inputs and 8 digital outputs
- add up to a maximum of 24 I/O Bus modules to any SAC

### FEATURES

- plug and play
- 8 universal inputs
- 8 optically isolated Triac outputs with high current rating (1.2 A)
- power supply over-current protection with automatic reset fuse
- low power consumption
- PIC microprocessor for communication
- optically isolated communication
- Walker ASCII protocol
- selectable address (0 - 24)

#### POWER

- 24 VAC

#### MOUNTING

- fits on a WSOP16 backplate

#### WIRING

- 18 AWG twisted shielded pair

# IOB-IP8DO8

## TECHNICAL SPECIFICATIONS

### POINT CONFIGURATION

MODULE	UNIVERSAL INPUTS	DIGITAL OUTPUTS
IOB-IP8DO8	8	8

### 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
Triac digital	Triac drive	Solid State relays for AC loads	30 VAC @ 1.2 A	user defined

### ELECTRICAL / MECHANICAL

MODULE	BOARD SIZE	I/O BUS LOADING	with external AC power supply*
IOB-IP8DO8	104 x 140 mm	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