WALKER SYSTEMS

building intelligence

Modem | Terminal

PIN 1

FIRMWARE SOCKET ←

FUSE: 250V 1.0A F1

E3 — V

E4 — T / I

+ – + –   + – + – + – + –   + – + – + – + –   J3
I/O Bus POWER   IP1 IP2 IP3 IP4   OP1 OP2 OP3 OP4

APPLICATIONS

- low point density areas (4 inputs and 4 outputs)
- airflow station VAV control
- fixed-function unitary control
- expandable through I/O Bus

FEATURES

HARDWARE

- 4 Universal inputs
- 4 Universal outputs
- switching power supply
- watchdog timer
- FLASH memory
- 8 bit A/D and DAC
- I/O Bus communication included
- Belimo housing

SOFTWARE

- menu-driven operator interface
- multilevel password security
- English language programming
- I/O Bus Master
- Connect-2000 compatible
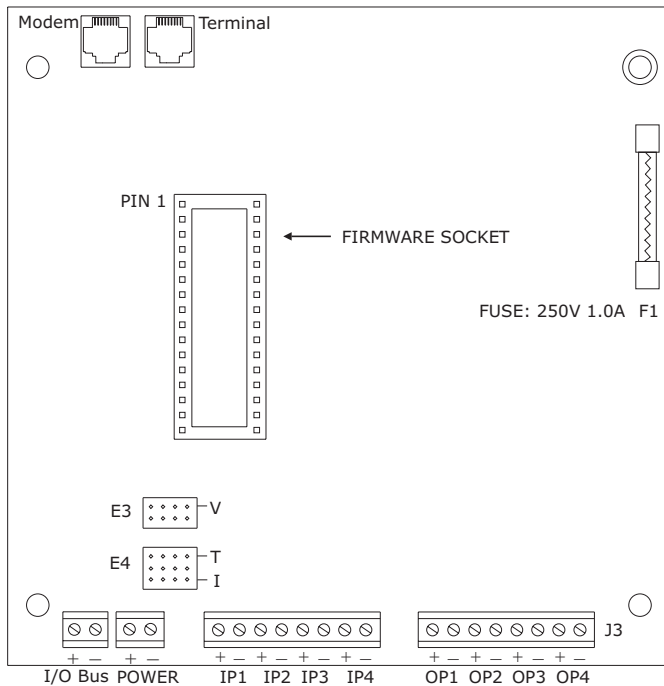
DESCRIPTION

MicroSACs are adapted for terminal equipment controls, reheat, radiation and unitary applications, yet they are fully programmable. As such, these devices can also be applied to low point density areas within any control strategy.

www.walkersys.com

UL Open Energy Management Equipment LISTED 916 PAZX

FORM # WSC99-089

MicroSAC-26SP
TECHNICAL SPECIFICATIONS

I/O POINT QUANTITIES

	MicroSAC-26SP
Inputs	4 Universal
Outputs	4 Universal

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	Analog	voltage	0-5 VDC / 0-10 VDC / 2-10 VDC	20 mA & 50 mA	0 TO 100%
		current	4-20 mA	500 Ω	0 TO 100%
		current	4-20 mA	250 Ω	0 TO 100%
	Digital	voltage	12.5 VDC	1.2 A	user defined
		voltage	Solid state Relays for AC loads	24 VAC @ 300 mA	user defined

EXPANSION OPTIONS

COMPONENT	POINT TYPE
I/O Bus	See I/O Bus Specification Sheets Form No. WSC99-068, WSC99-73 to WSC99-81

CPU & MEMORY

PROCESSOR			MEMORY		OTHER		
CPU	MHz	BITS	RAM	ROM	CLOCK	A/D RESOLUTION	BACKUP
Z84C15	10	8	32k	128k	software	8 bit	FLASH

COMMUNICATION PORTS

TYPE	QTY	USAGE	9.6 kbps
RS-232	1	modem/terminal	✓
I/O Bus	1	I/O Bus	✓

ELECTRICAL / MECHANICAL

TRANSFORMER	LOADED VA RATING	BOARD SIZE	TERMINAL CONNECTOR
24 VAC	22*	155 X 14mm	RJ45†

*22 loaded VA rating for MicroSAC-26SP
† RJ45 (8-pin modular) includes connections for 3 input points and 1 low current status output
25.4mm = 1.0 inches