

Specification of SAV-T100-P001 Thermostat with remote Sensor and RS232 control port.

Measurement Range

Indoor Temperature	-16° to 55°C
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Temperature Tolerance

Over Full Range	±0.5°C
At Room Temperatures	±0.1/-0.4°C

Setpoint Range

Auto Setpoint	14° to 32°C
Heat only Setpoint	14° to 32°C
Cool only Setpoint	14° to 32°C

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Relay Rating

1 Amp at 40 Volts DC or 24 Volts AC (nominal)

Power Requirements

24VAC	2 Watts (0.083 Amps) at 24 Volts AC, supplied by heating or cooling system
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Buttons

MODE	Accesses user controls - system mode, fan mode, heat mode, cool mode Press and hold for 15sec. to enter setup mode.
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UP	Selects user modes and increments selection in setup modes
DOWN	Selects user modes and decrements selection in setup modes

Display

Type	TFT LCD, backlit
Size	1.3 in (3.3 cm)
Resolution	128 x 64
Viewing Angle	±80° horizontal (at 0° vertical), ±80° vertical (at 0° horizontal)
Displays current indoor temperature, ⁽¹⁾ setpoints, activity function, internal relay status, setup menus	

Connections

Power	(2) 2-position terminal blocks comprising the following:
	Power Connections (Required):
	24 (C): 24V AC common terminal supplies remote 24V AC power to thermostat;
	Remote Sensing Connections:
	RS: Remote Sensor Returns – Common sensor terminal;

HVAC	<u>(3) 3-position terminal blocks comprising the following:</u> HVAC Control Connections (System Dependent): 24 (Com): 24V AC reference terminal – Can be connected to Com by
Fan Relay	Com, C: Reference – Used for all system calls. NO: Fan – Energized to Com during call for Fan on Heat or Cool or Fan only. NC: Energized to Com Fan is not active.
Cool Relay	Com,C: Reference – Used for all system calls. NO: Cool Call – Energized to Com during call for cooling. NC: Energized to Com during cool call is off.
Heat Relay	Com,C: Reference – Used for all system calls. NO: Heat Call – Energized to Com during call for heat. NC: Energized to Com during heat call is off.
Network/Serial Connection	(1) 3-position terminal block; RS232 port, connects to Crestron and all other Home Automation Controller TX, Ground and RX

Enclosure

Plastic, surface-mountable to the front of a horizontally oriented 2-gang electrical box or use incl. brackets for Din-Rail mounting.

Dimensions

Height	3.75 in (96 mm)
Width	5.00 in (127 mm)
Depth	1.04 in (27 mm)

Weight

Unit not connected.	165Gramm
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