



SMART[™]
One

SMT-ASCVT

VAV CONTROLLER TRIAC

The SmartOne™ VAV is a multi-functional variable air volume (VAV) and constant air volume (CAV) terminal box controller designed to provide standard and advanced VAV control routines. As a fully compliant Native BACnet device, the SMT-VAV includes an integrated air flow sensor, 5 binary outputs (available in relay or triac form), a dedicated Zone Temperature input bus, auxiliary Universal Inputs, and an Analog Output for PID applications. The unit is a high-speed BACnet MS/TP direct digital controller listed with BACnet Testing Laboratories as a BACnet-Application Specific Controller (B-ASC) that supports all standard BACnet baud rates.

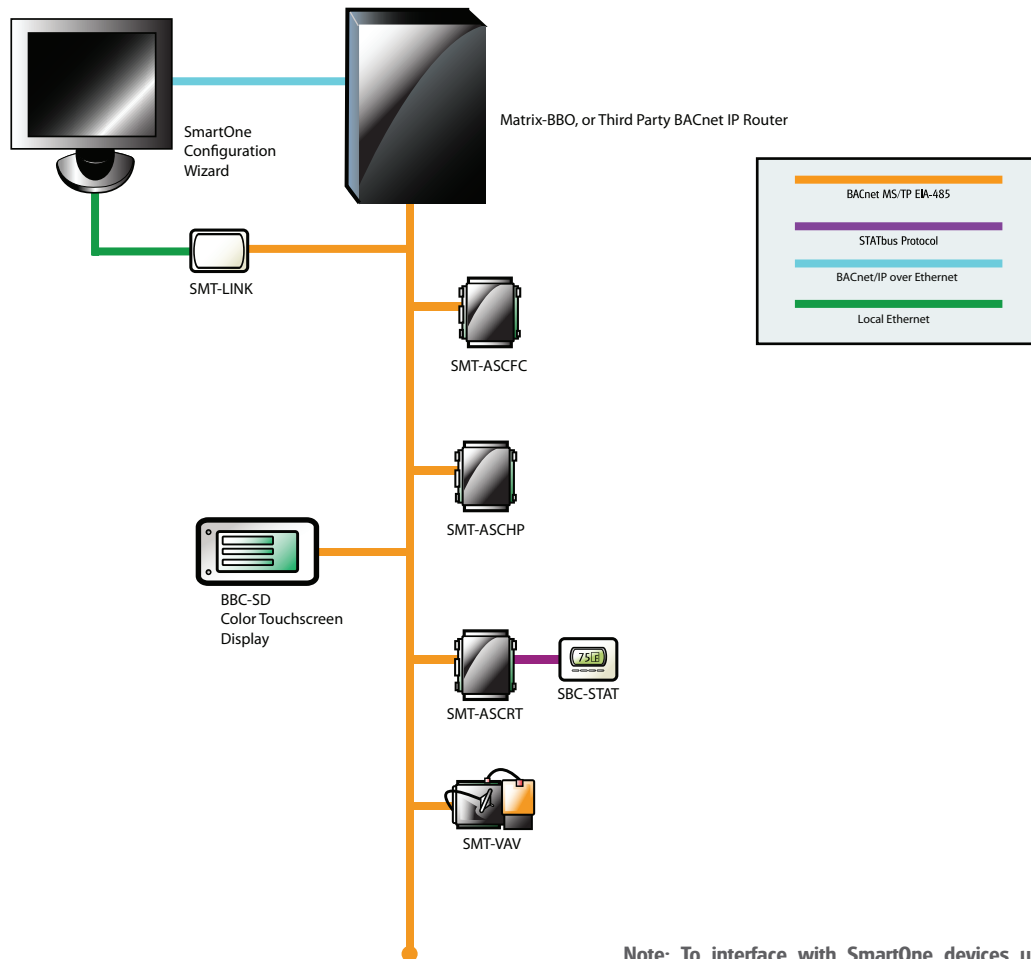
FEATURES:

- Software configurable device addressing for BACnet MS/TP network protocol.
- Dedicated Zone Temperature input utilizing STATbus protocol with ability to network up to four (4) digital SBC-STAT devices.
- Two (2) Universal Inputs that can be configured for discharge temperature, occupancy detection, proof of flow sensing, and other general purpose input sensing applications. The Universal Inputs are jumper selectable and allow for configuration of resistance, DC voltage, or current signal types.
- Five (5) Binary Triac Outputs that can control a series or parallel fan, control up to four (4) stages of electric reheat, or manipulate an auxiliary valve for heating and cooling changeover. All outputs include run hour tracking.
- One (1) Analog Output, used for auxiliary PID control of proportional valves, or other application involving a host device.
- One (1) standard PID Control loop, fully configurable for analog output applications.
- Support for one (1) BACnet Schedule, providing complete time of day scheduling (*A BACnet Time Synchronization message must be received periodically*).
- Configurable setpoint with optional setback for unoccupied and night setback modes.
- On-board occupancy detection allows the device to switch to occupied mode based on a signal from an occupancy sensor connected to an available input.



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SYSTEM ARCHITECTURE



Note: To interface with SmartOne devices users must utilize either a Matrix-BBO or other Bacnet IP routing device (sold separately) or use the SMT-Link and DB-25 bundle (sold separately)

SPECIFICATIONS SMT-ASCVT

Terminations	Dimensions	Processor
<ul style="list-style-type: none"> Pluggable terminal blocks for inputs, outputs, power, and network connection Triac Output Class 2, 1A 30VAC max Communication baud rates: 9.6, 19.2, 38.4, 57.6, 76.8 kbps 	<ul style="list-style-type: none"> Overall size: 8.5 x 4.75 x 2.63 in. (21.6 x 12.1 x 6.7 cm) Shipping weight: 2.04 lbs. (.92 kg) 	<ul style="list-style-type: none"> High-speed 16-bit processor
Input Supply	Operating Environment	Agency Listings
<ul style="list-style-type: none"> NEC class II transformer 24VAC, 50/60Hz, 10VA maximum, 5VA typical 5A fuse load protection 	<ul style="list-style-type: none"> Operating temperature: 41 to 122°F (5 to 50°C) Storage temperature: -40 to 151°F (-40 to 66°C) Relative humidity: 10% to 90% non condensing, 40% to 60% recommended 	<ul style="list-style-type: none"> UL 916 listed, PAZX FCC rules Part 15, Class B Computing Device UL 873 recognized, Component-temperature-indicating and regulating equipment (XAPX2) Complies with CE directives and standards BTL Listed as B-ASC

American Auto-Matrix is a Service-Disabled Veteran-Owned Small Business / Woman-Owned Business (CCR Cage #4LL80)

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