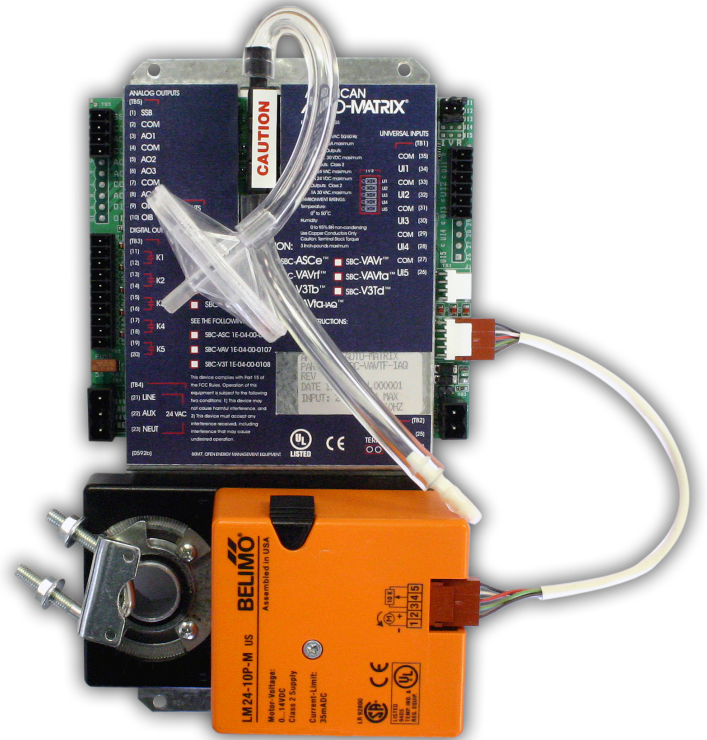


## SBC-VAV Variable Air Volume Controller

The SBC-VAV family of terminal box digital controllers is designed to function in numerous scenarios that require variable air volume (VAV), constant air volume (CAV), and CO<sub>2</sub> measurement, while providing flexible mounting solutions to increase ease of installation. Each controller works on existing Public Unitary Protocol (PUP) networks. Using STATbus technology, SBC-STAT room sensors can be connected to the SBC-VAV without consuming onboard I/O.

### FEATURES

- PUP Network protocol over EIA-485
- 5 Digital Outputs (Relay or Triac)
- Integrated high-resolution airflow sensor
- Easy duct scaling K-Factor balance calibration
- VAV can be balanced by using menu driven capabilities of the SBC-STAT3
- IAQ variants offer an additional Universal Input that is to be used for a CO<sub>2</sub> sensor for indoor air quality control
- On-board Belimo® Actuator (can be either standard actuator or feedback actuator)
- Flash memory for easy updates
- Dedicated STATbus input for zone temperature readings
- Local access point of data using SBC-STAT3
- Time-of-day and holiday scheduling

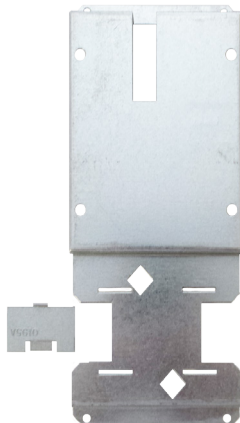


### CHANGING ACTUATOR ORIENTATION

The physical layout of the SBC-V3T allows users to reverse the orientation of the actuator through the use of an adjustable actuator mounting clip.

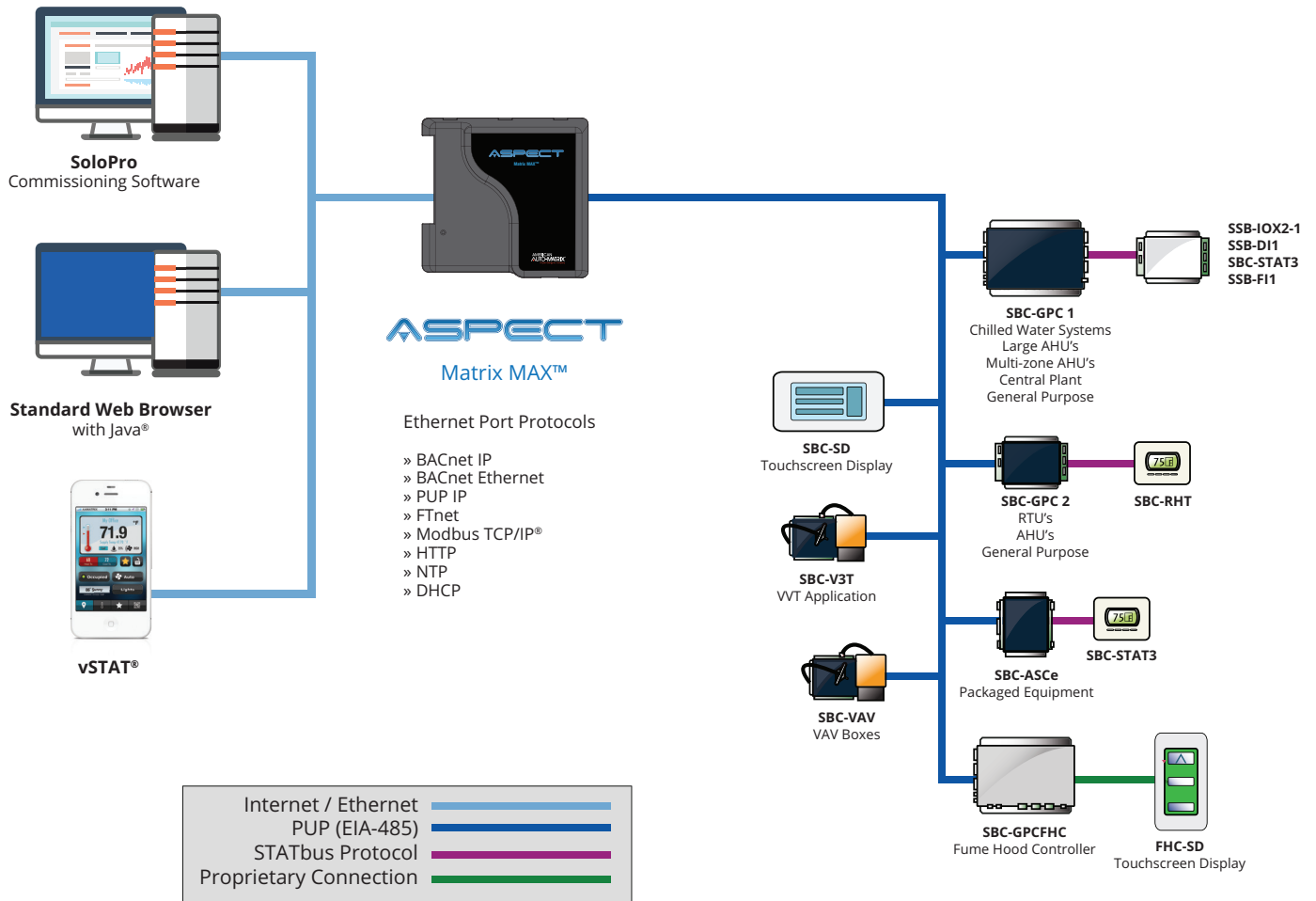
This unique mechanism provides an easy answer to select retrofit applications involving legacy VAV offerings from American Auto-Matrix.

Reversing the actuator orientation involves minimal effort and time from an installer.



### SBC-VAV UNITARY CONTROLLERS

Controller Type	DO		AO	UI	Airflow Sensor	Actuator
	Triac	Relay				
SBC-VAV	0	5	1	2	YES	YES
SBC-VAVrf	0	5	1	2	YES	Feedback
SBC-VAVta	5	0	1	2	YES	YES
SBC-VAVtf	5	0	1	2	YES	Feedback
SBC-VAVta-IAQ	5	0	1	3	YES	Feedback
SBC-VAVtf-IAQ	5	0	1	3	Yes	Feedback
SBC-VAVr	0	5	1	2	YES	NO



Configuration can also be accomplished via serial communication with the IFC-SSB/485

## SPECIFICATIONS

<b>Processor</b>	high speed 16-bit processor
<b>Terminations</b>	pluggable terminal blocks for inputs, outputs, power, & network connections
<b>Baud Rates</b>	9.6, 19.2, 38.4, 57.6, 115.2 kbps
<b>Input Supply</b>	NEC class II transformer   24 VAC 50/60 Hz, 10 VA maximum 5 VA typical 5A fuse load protection
<b>Overall Size</b>	8.5 x 5.75 x 2.63 in (21.6 x 14.6 x 6.7 cm)
<b>Shipping Weight</b>	2.04 lbs (.92 kg)

<b>Operating Temp</b>	32 to 122° F (0 to 50° C)
<b>Storage Temp</b>	-40 to 151° F (-40 to 66° C)
<b>Relative Humidity</b>	0 - 90% RH non-condensing (40-60% recommended)
<b>Agency Listings</b>	UL listed 916, Management Equipment, Energy (PAZX) FCC rules Part 15 Class B computing device Complies with CE directive and standards



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