

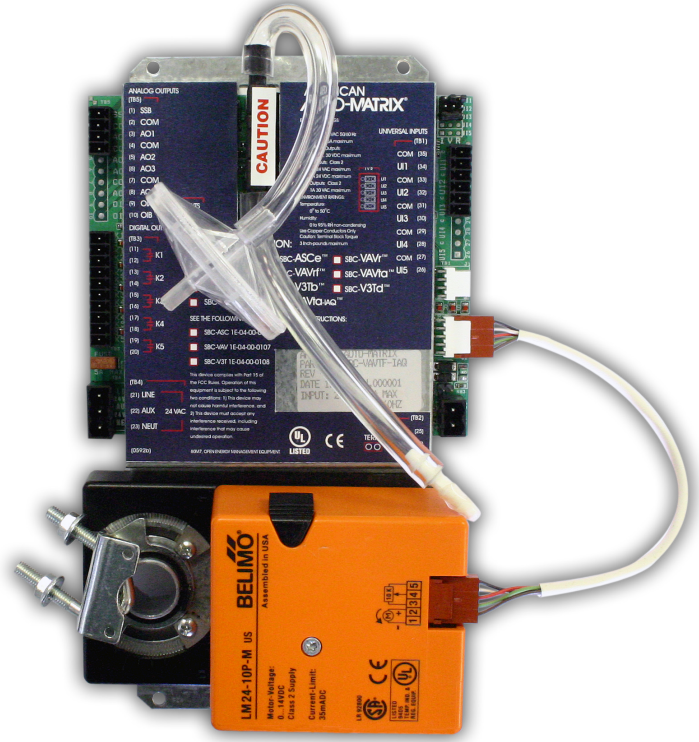
SBC-V3T Static Pressure and Airflow Controller

The SBC-V3T model of controllers are bypass rooftop (SBC-V3Tb) and zone damper (SBC-V3Td) digital controllers. The SBC-V3T controllers enable constant volume air handler units (AHU) to supply variable volumes of air.

The SBC-V3T controller works on existing Public Unitary Protocol (PUP) networks. Through the SBC-STAT Sensor Bus (SSB), the SBC-V3T controllers communicate with SBC-STAT thermostats without the use of an I/O point on the controller.

FEATURES

- PUP Network protocol over EIA-485
- Standard bypass control device with 5 relay outputs (**V3Tb only**)
- Can be used in stand-alone or network applications
- Easy configuration and over-the-network firmware flash updates via SoloPro commissioning environment
- Dedicated (separate from onboard I/O) zone sensor input connection for SBC-STATs via STATbus
- Can be implemented in sequences that may not require Discharge Air Temperature or Outside Air Temperature readings
- Available PID and control loop applications for output control sequences such as valve control and analog signal control
- Configurable interlocking for fan failure applications (**V3Tb only**)
- Integrated high-resolution static pressure sensor (**V3Tb only**)
- Onboard integrated Belimo® Feedback Actuator for bypass damper control
- Local access of point data using SBC-STAT3

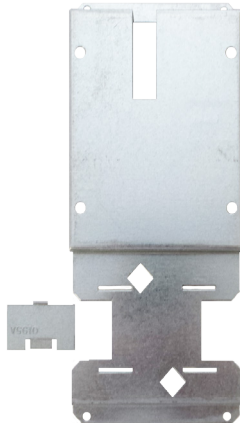


CHANGING ACTUATOR ORIENTATION

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.

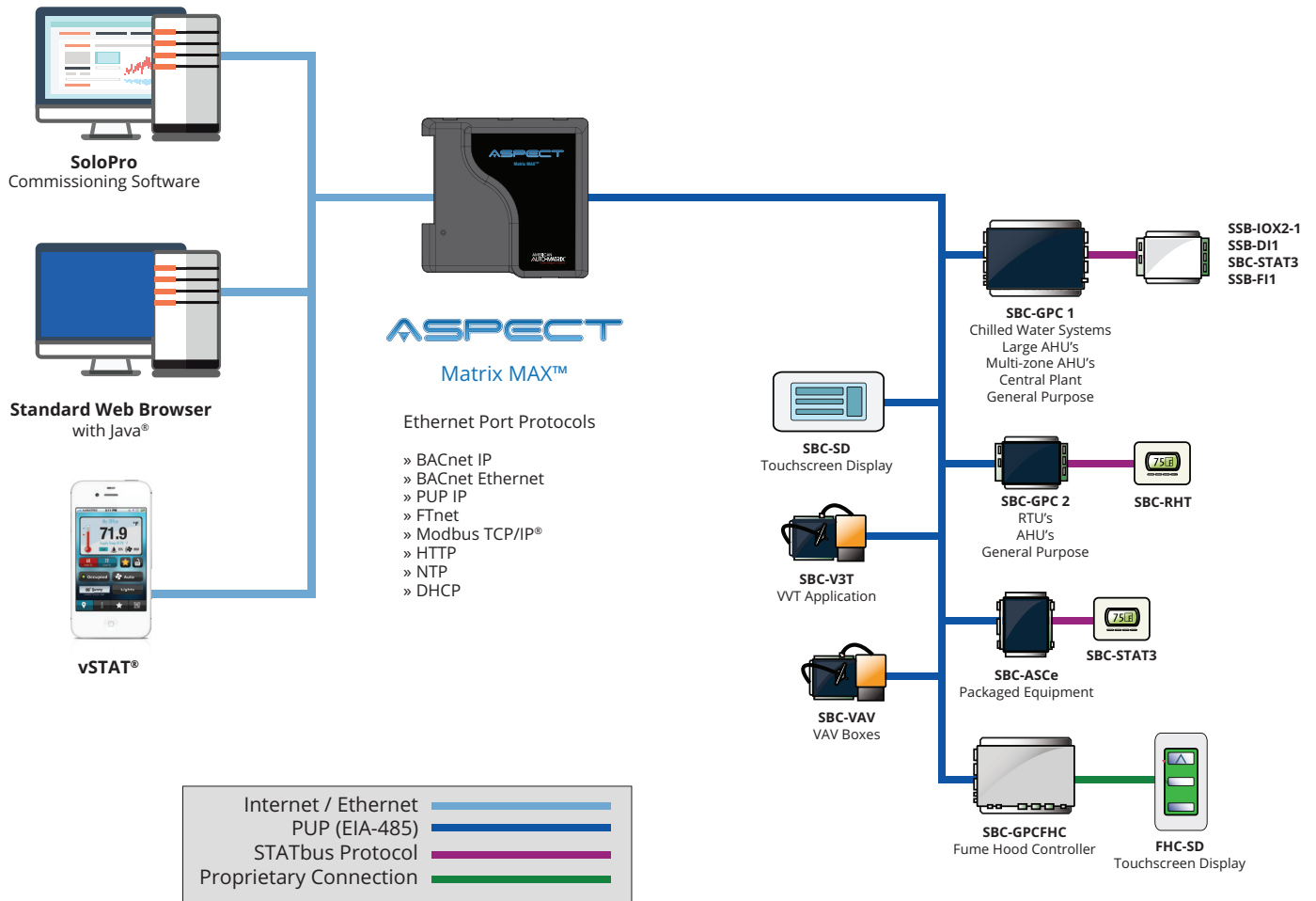
This unique mechanism provides an easy answer to select retrofit applications involving legacy VAV offerings from American Auto-Matrix.

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



SBC-V3T UNITARY CONTROLLERS

Control- ler Type	DO Triac	Relay	AO	UI	Real- time Clock	Pressure Sensor	Actua- tor
SBC-V3Tb	0	5	4	5	Installed	YES	Feedback
SBC-V3Td	0	0	0	1	N/A	NO	Feedback



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

SPECIFICATIONS

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

Operating Temp	32 to 122° F (0 to 50° C)
Storage Temp	-40 to 151° F (-40 to 66° C)
Relative Humidity	0 - 90% RH non-condensing (40-60% recommended)
Agency Listings	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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