

VAV-B-A

VAV Controller with Actuator



SPECIFICATIONS

Loop Source	24VDC@500mA
Voltage Input (VI)	0-10VDC
Resistive Input (RI)	10KΩ Potentiometer
	* Space Temp Adjust use part #'s: ST-S3E, ST-S3E-XA
Temp. Input (TI)	10KΩ Type III Thermistor
Wall Sensor	10KΩ Type III Thermistor, or part #'s: ST-S3E, ST-S3E-MN-S3-700, MN-S3-HT, MN-S4
Analog Output (AO)	0-10VDC@20mA
Binary Output (BO)	24VAC@420mA
	10VA per contact
Comm. Ports	RS-485
	* Wire should be twisted pair with shield.
Power	24-28 VAC, 50/60Hz, Class 2, 2VA Quiescent, 75VA full load
	* Transformer must be earth grounded.
Actuator Motor	24VAC/DC
	50/60Hz
	4VA, 2W max

Made in USA
www.computrols.com

0	1	2	3	4	5	6	7	8	9
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Address	8	4	2	1
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Example Address = 97

Loop Source (4-20mA)	16
Voltage Input 2 (VI)	15
Voltage Input 1 (VI)	14
Resistive Input 2 (RI)	13
Resistive Input 1 (RI)	12
Wall Sensor	11
Analog Output 2 (AO)	10
Analog Output 1 (AO)	9
Binary Output 4 (BO)	8
Binary Output 3 (BO)	7
Binary Output 2 (BO)	6
Binary Output 1 (BO)	5

Network Port	20
- 4	19
+ 3	18
Sh 2	17
1	

AC Gnd
Power (24-28VAC)

STANDARD

Loop Source (4-20mA)	
Cold Air Pressure (VI)	
Feedback Voltage Input (VI)	
Space Temp Adjust (RI)	
Supply Temp (TI)	
Wall Sensor	
Analog Out	-
Cold Air Flow Actuator (AO)	
Clockwise Heat Stage 3 (BO)	
C.Clockwise Heat Stage 2 (BO)	
Heat Stage 1 (BO)	
Fan (BO)	

Hot Water Valve Actuator