

## VAV-B-P

VAV Controller with  
Pressure Pickup

0 1 2 3 4 5 6 7 8 9

Address  
8 4 2 1

1s

10s

Example  
Address = 97

### SPECIFICATIONS

Loop Source 24VDC@500mA

Voltage Input (VI) 0-10VDC

Resistive Input (RI) 10K $\Omega$  Potentiometer  
\* Space Temp Adjust use part #s:

ST-S3E, ST-S3E-XA

Temp. Input (TI) 10K $\Omega$  Type III Thermistor

Wall Sensor 10K $\Omega$  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. ③

Power 24-28 VAC, 50/60Hz, Class 2,  
2VA Quiescent, 75VA full load

\* Transformer must be earth grounded.

Pressure Sensor Range: 0-5" WC +/-0.01

Cable Binary Output (BO) 24VAC/DC  
50/60Hz, 4VA, 2W max

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

32  
31  
30  
29  
28  
27  
26  
25  
24  
23  
22  
21  
Analog Common  
Binary Common

Network Port

- 4

+ 3

Sh 2

1

Local Port

20 -

19 +

18 Sh

17

AC Gnd

Power (24-28VAC)

High Pressure Low Pressure



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