

Product Identification

The BA/VC75 and BA/VC100 are half wave rectified. The VAC neutral input and the VDC GND output are common.

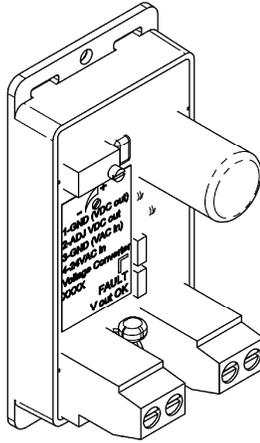


Figure 1: BA/VC75/100-ADJ

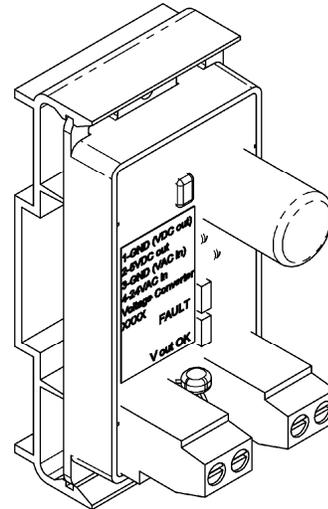


Figure 2: BA/VC75/100 Fixed Output Voltage with optional snaptrack (-TRK)

Mounting

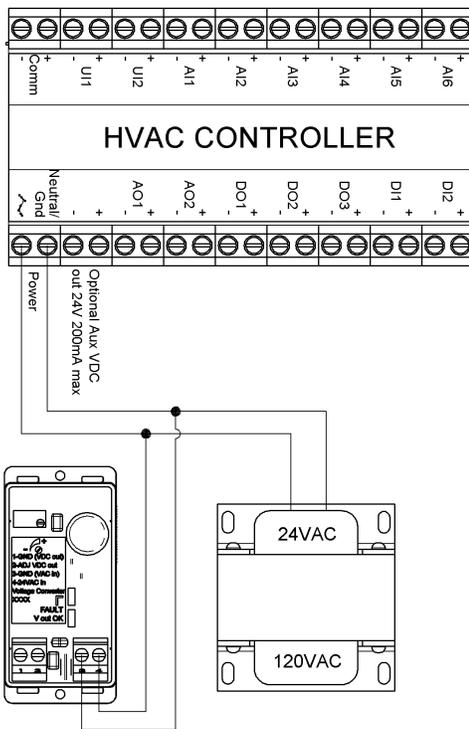


Figure 3: Mounting BA/VC75/100 near Controller



This unit should be mounted at or within 2 feet of the control panel as shown in Figure 3. DO NOT mount near or directly behind your room sensor.

The VC75/100 is intended to convert the AC power provided at the panel to DC. Tests show that fluctuating and inaccurate peripheral device signal levels are possible when AC power wiring is present in the same conduit as the signal lines.

Mounting without snaptrack: Clean the mounting surface, peel the backing from the tape on the back of the unit and attach to the surface where you need to mount the unit.

Mounting with snaptrack: Remove the VC75/100 from the snaptrack. Screw the snaptrack to the surface with #10 screws where you need to mount the unit. Replace the VC75/100 in the snaptrack.

Specifications subject to change without notice.

Terminations

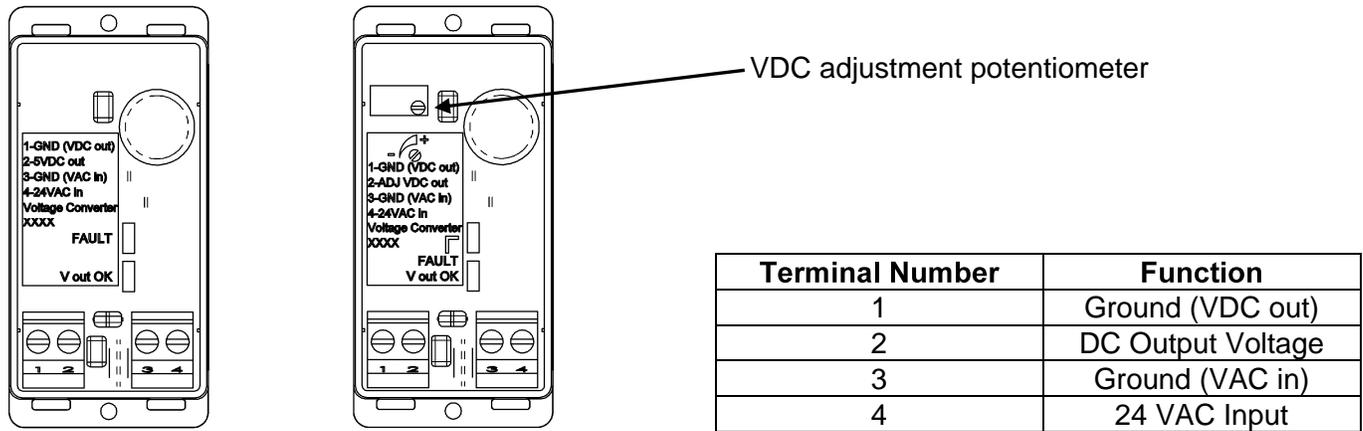


Figure 4: VC75 or VC100 Terminations

NOTES:

- Pin 1 and Pin 3 are connected together.
- ADJ models are set to 24VDC output at the factory. If 24VDC is too high for your circuit adjust the output to a lower voltage before you connect the BA/VC75 or BA/VC100 to the load. Be sure to check and adjust the BA/VC75 or BA/VC100's output voltage, if necessary, when the load is applied.
- The connectors use a rising block screw terminal to hold the wires. It is possible for the block to be in a partially up position allowing the wire to be inserted under the block. Be sure that the connector screws are turned fully counterclockwise before inserting the wire. Lightly tug on each wire after tightening to verify proper termination.

LED Diagnostics

| GREEN | RED | Condition |
|---------|---------|---|
| LED ON | LED OFF | Normal operation. |
| LED ON | LED ON | This condition is not stable and indicates that there is an excessive load on the VDC output. Reduce the output load. |
| LED OFF | LED OFF | No AC power, check AC input for proper voltage. |
| LED OFF | LED ON | The VDC output is shorted to ground. Remove power, find and remove VDC short and reapply power. |

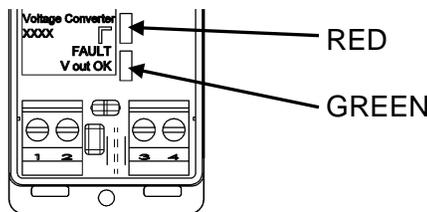


Figure 5: LED Colors

Specifications

Input Voltage: 18-30 VAC, 24 VDC
Input Current Max: 240mA AC (5.8 VA)
Output: VC75: - 5 to 24 VDC at 75mA
VC100: - 5 to 24 VDC at 100mA

| Minimum Input Voltage: | | |
|------------------------|-------|---------------|
| Vout | Load | Vin |
| 5VDC | 100mA | 10VAC @ 2.6VA |
| 8VDC | 100mA | 12VAC @ 3.4VA |
| 10VDC | 100mA | 14VAC @ 4.1VA |
| 24VDC | 100mA | 23VAC @ 7.0VA |

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