



## American Wall Controller Trouble Shooting

Measured voltages with respect to common:

*Note: Testing is performed with the unit plugged in, and the outside switch turned on. (dot side depressed). On and off as referred to below, is via the wall control knob position. The knob rotates 270°. Counterclockwise is off, and max clockwise is max air flow. Anything above ~25° rotation above off is on (Green LED will light when the unit is on, if functioning properly).*

1. **Vr**            There should be ~5.2 VDC at this point with the unit on and off (continuous). On and off via the knob control.
2. **On / Off**    25 VDC when on. ~0 VDC when off.
3. **Vun**           27 VDC when the unit is on or off.
4. **Blwr**        This is the variable signal. 0 VDC when the knob is off, 0.5 – 5.2 VDC according to the variable knob position.
5. **Filt**           24 VDC when the unit is on or off.
6. **Com**         Common for the testing procedure.