



**Dimensional Drawing**

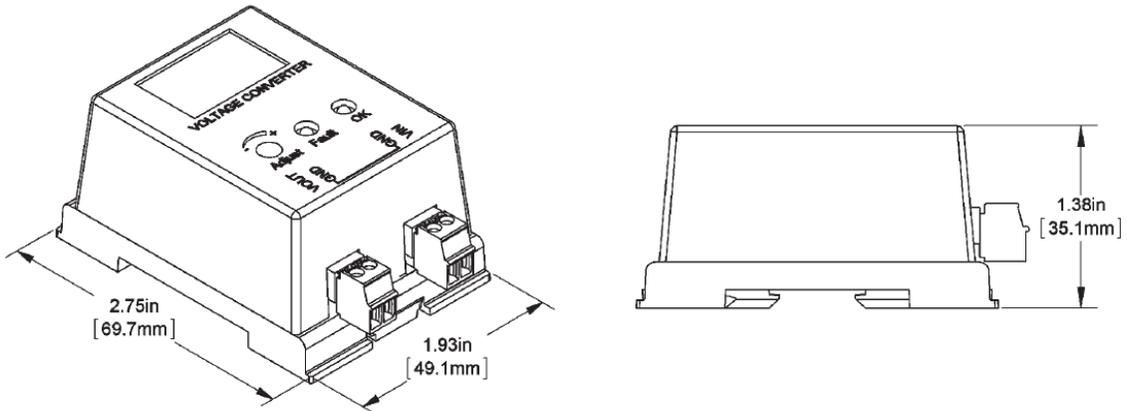


Figure 1: VC350A-EZ Voltage Converter

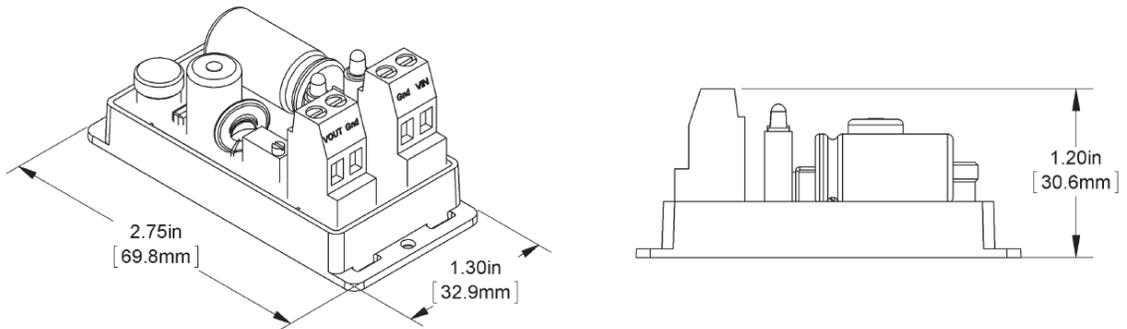


Figure 2: VC350A Voltage Converter

**Mounting**



**Tip**

This unit should be mounted at or within 2 feet of the control panel. DO NOT mount near or directly behind your room sensor. The VC350 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.

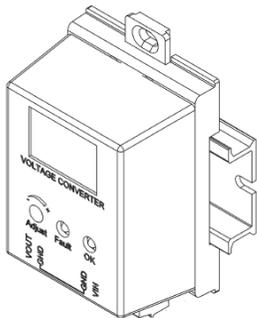


Figure 3: EZ-Mount on a DIN Rail

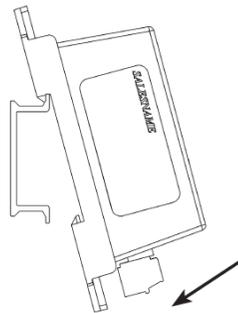


Figure 4: Catch EZ Mount hook on DIN rail before rotating sensor into place

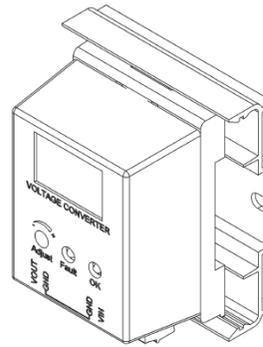


Figure 5: EZ-Mount in Snaptrack

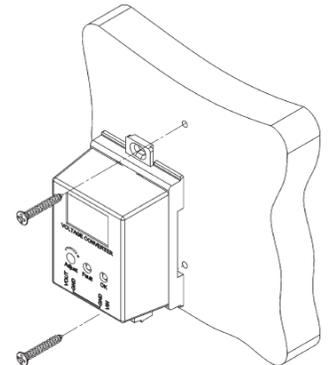


Figure 6: EZ-Mount Screwed to a Surface

**MOUNTING TABS**

The EZ Mount Base has mounting tabs that can be extended or pushed in. Figures 7 and 8 show the details.

**Din Rail Mounting, Fig 3**

- If not showing, pull the blue mounting tabs out as shown in Figure 8.
- Catch EZ mount hook on DIN rail as shown in Figure 4.
- Rotate the EZ pressure module down until the bottom mounting tab snaps into place on the DIN rail.

**Snap Track Mounting, Fig 5**

- If showing, push the blue mounting tabs in as shown in Figure 7.
- The edges of the EZ Mount base will fit into the board slots in 2.75 inch snap track. **Screwed to a Surface, Fig 6**

**Screwed to a Surface, Fig 6**

- If not showing, pull the blue mounting tabs out as shown in Figure 8. Place the EZ Pressure unit against the surface and mark the screw holes.
- Drill 1/8" pilot holes for #8 flathead screws.
- Screw EZ Pressure unit to surface.

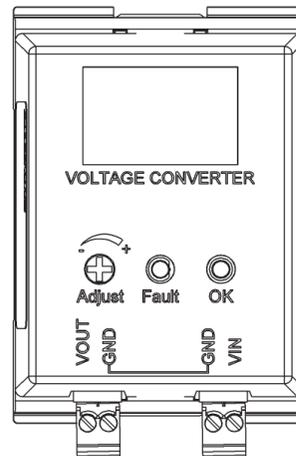


Figure 7: EZ-Mount with mounting tabs pushed in

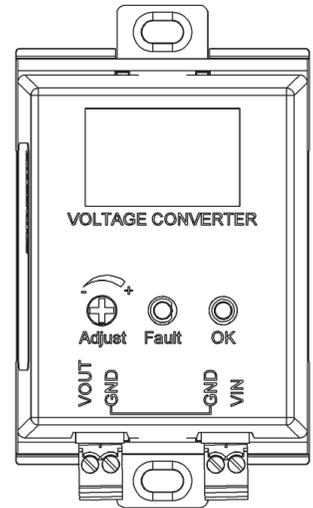


Figure 8: EZ-Mount with mounting tabs extended

Note: The mounting holes in the blue mounting tabs are elongated to allow for alignment.

**Snap Track Mount**

- Mounting with snaptrack: Remove the VC350 from the snaptrack. Screw the snaptrack to the surface where you need to mount the unit. Replace the VC350 in the snaptrack.
- Mounting without snaptrack: Peel the backing from the tape on the back of the unit and attach to the surface where you need to mount the unit.

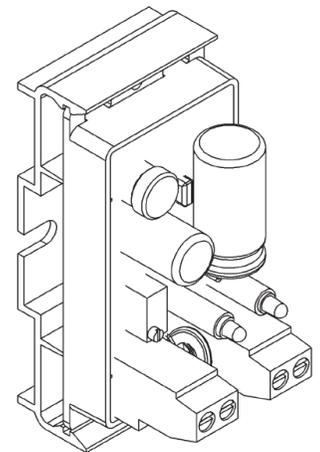
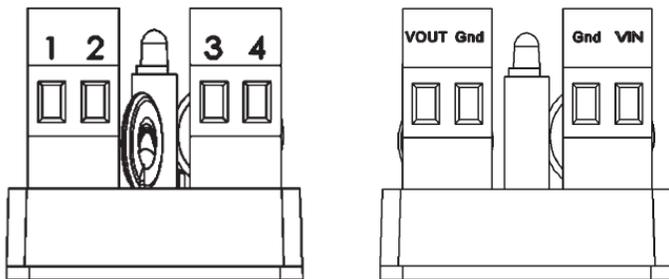


Figure 9: VC350A

**Termination**



Prior to 1/23/2013

After 1/23/2013

Figure 10: VC350A Wiring Terminals

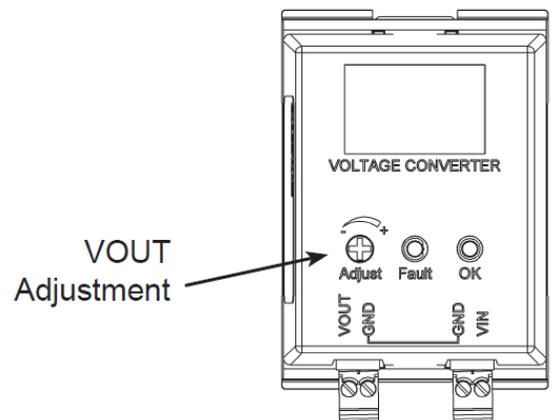


Figure 11: VC350A-EZ Wiring Terminals

VC350A Terminal		VC350A-EZ Terminal	Function
Prior to 1/23/2013	After 1/23/2013		
1	VOUT	VOUT	VDC out to peripheral devices
2	GND	GND	VDC out ground or common
3	GND	GND	VAC or VDC input ground or common
4	VIN	VIN	VAC or VDC input from transformer or other power supply

Note: The terminals 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.

<b>Diagnostics</b>			
<b>Red or Fault</b>	<b>Green or OK</b>	<b>Condition</b>	<b>Solution</b>
LED OFF	LED ON	Normal operation	
LED ON	LED ON	Unstable condition, excessive load on the output	Reduce the output load and reset power to the device
LED OFF	LED OFF	No input power	Check for proper supply voltage
LED ON	LED OFF	Output shorted to ground	Remove power, find and remove VDC short

Note: If the DC output voltage is lower than or higher than your limits, turn the VOUT Adjust until the output voltage is within limits.

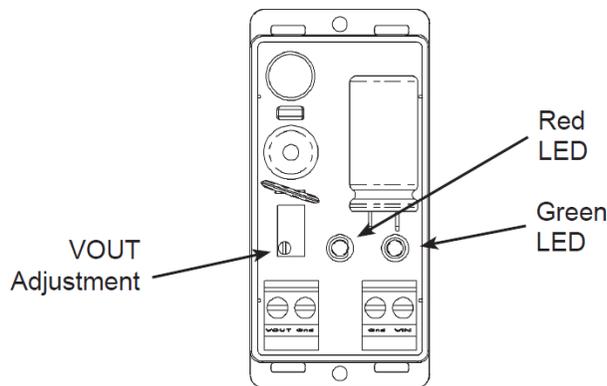


Figure 12: VC350A showing LED positions and VOUT Adjust

**Appendix – Symbols Key**

 <b>Warning</b>	Potential for death, serious injury, or permanent damage to a system.
 <b>Caution</b>	Potential for injury, damage to a system, or system failure.
 <b>Tip</b>	Useful information not related to injury or system damage.