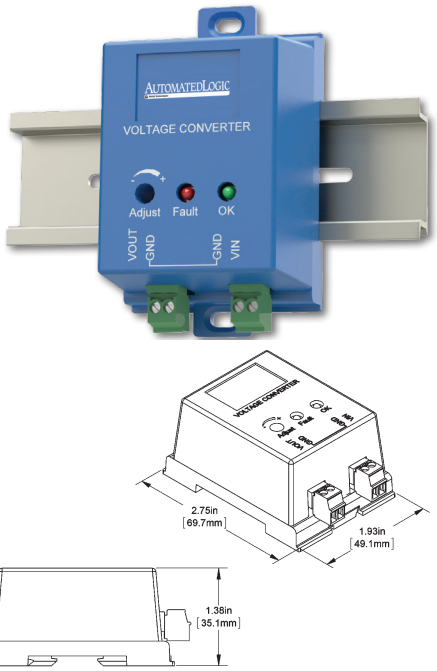
Voltage Converter

Accessory for HVAC/R

The Voltage Converter is a cost-effective way of converting 24 VAC or VDC to 5, 12, 15, or 24 VDC for use on peripheral devices that require DC voltage. The converter is available with a 350 mA output. The mounting system allows for 2.75" snaptrack, DIN rail or surface mounting.

It is often desirable to convert to DC power as it eliminates the AC power "noise" which can affect the room sensor readings. Tests show that fluctuating and inaccurate signal levels are possible when AC power wiring is present in the same cable as the signal lines. To minimize the AC voltage noise, the DC converter must be mounted as close to the controller as physically possible. Do not mount the converter at the sensor end of the wire, the AC will still couple into the sensor signal if you do.



Part Number	Description
NSB-VC350A-EZ-ADJ-A	5 to 24 VDC Adjustable Output at 350 mA

Specifications

Output Voltage: 5 to 24 VDC @ 350 mA

Recommended Input Voltage: 18 to 28 VAC, 24 VDC (15 VA)

Environmental Storage Range: -40 to 176°F (-40 to 80°C)

Environmental Operation Range:

0 to 95% RH non-condensing

-40 to 149°F (-40 to 65°C) 350 mA @ any output voltage

-40 to 158°F (-40 to 70°C) 350 mA @ 5 VDC

330 mA @ 10 VDC

280 mA @ 12 VDC

224 mA @ 15 VDC

140 mA @ 24 VDC

Wiring: 4 wires, 16 to 22 gauge

Rectification: Half-Wave Rectified

Grounding: AC & DC Ground are Common

Input Voltage Limits:

Minimum (VAC/VDC)	Maximum (VAC/VDC)	Input Current@ Min Input Volts (AC/DC)
24.0/31.0*	28.0/35.0	16.7 VA/325 mA

*Depends on output voltage

WebCTRL®

The WebCTRL® building automation system gives you the ability to understand your building operations and analyze the results. The WebCTRL system integrates environmental, energy, security and safety systems into one powerful management tool that allows you to reduce energy consumption, increase occupant comfort, and achieve sustainable building operations. Our web-based platform allows building managers to control and access information about their HVAC, lighting, central plant and critical processes on premises or remotely at any time of day.

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