

VC350A Voltage Converter

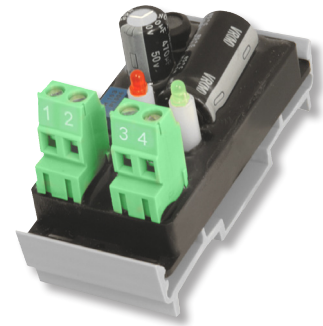
Accessories
for HVAC/R

F9

Rev. 08/31/11

Features & Options

- Compact & Cost-Effective 350 mA Unit
- Self-resetting Thermal Fuse
- Operation & Fault LED Indicators
- Ruggedized Circuitry
- Fixed or Adjustable Outputs
- Output Protected Against Overload and Accidental Short Circuit



VC350A mounted in optional snaptrack

BAPI's 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 converter is very compact and designed to fit into standard 2.75" snaptrack.

Although most BAPI room units can run on 24 VAC power, converting to DC power eliminates the AC power "noise" which can affect the room sensor readings. BAPI's 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. All fixed outputs of 5, 10, 12 or 15 VDC are adjustable $\pm 10\%$. The adjustable model (-ADJ) has an output of 5 to 24 VDC.

Part Number	Description
ALC/VC350A-5	5 VDC at 350 mA
ALC/VC350A-10	10 VDC at 350 mA
ALC/VC350A-12	12 VDC at 350 mA
ALC/VC350A-15	15 VDC at 350 mA
ALC/VC350A-ADJ ..	5 to 24 VDC (adj.) at 350 mA

Note: Add **-TRK** to the end of the part number (ALC/VC350A-5-TRK) to include a 1.25" length of 2.75" snaptrack

350mA EZ Voltage Converter

BAPI also makes a 350mA EZ Voltage Converter. The revolutionary mounting system allows for DIN Rail, Snaptrack or surface mounting. (See page F8.)



Specifications

Output Voltage: 5 to 24 VDC @ 350 mA

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

Input Voltage Limits:

Model of Unit	Minimum (VAC/VDC)	Maximum (VAC/VDC)	Input Current@ Min Input Volts (AC/DC)
5V	5.0/9.0	28.0/35.0	5.2 VA/305 mA
10V	10.0/14.7	28.0/35.0	8.3 VA/315 mA
12V	12.0/16.9	28.0/35.0	9.5 VA/318 mA
15V	15.0/20.5	28.0/35.0	11.2 VA/320 mA
ADJ (24V)	24.0/31.0*	28.0/35.0	16.7 VA/325 mA

*Depends on output voltage

Environmental Operation Range:

0 to 95% RH non-condensing

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

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

- 5 VDC, 330 mA
- 10 VDC, 280 mA
- 12 VDC, 280 mA
- 15 VDC, 224 mA
- 24 VDC, 140 mA

Environmental Storage Range:

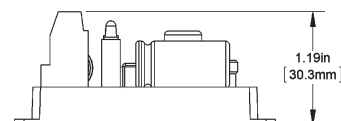
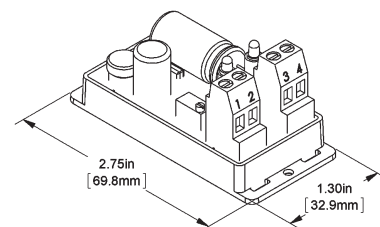
-40°F to 176°F (-40°C to 80°C)

Wiring: 4 wires, 16 to 22 gauge

Rectification: Half-Wave Rectified

Grounding:

AC & DC Ground are Common



Note: The VC350A is a Class 2 circuit when powered from a UL Class 2 power supply.



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