

Overview and Mounting

Some of BAPI's ETA line of products require regulated power of 12 VDC, including the FOX and SOX RS-485 Fiber Optic Transceivers, and the RPTR - RS-485 Repeater. The 3324VC - Voltage Converter converts a 16 to 36 VDC input into a 12 VDC regulated output, or a 28 to 36 VDC input to a 24 VDC regulated output that is required by CO₂ sensors, flow meters with digital display, or other 4-wire HVAC sensors.

The 3324VC can be mounted in two ways. In the first method, the unit plugs vertically into the BP2, BP4, BP8, or BP4-V Backplanes like other ETA modules (see Fig. 1). The VC3324 receives supply power from the Backplane which is supplied by a PS17/18/19RF Power Supply or other suitable power supply.

The 3324VC can also be mounted directly in snaptrack. The unit is then powered with a two-wire connection from the PS17/18/19RF Power Supply or other suitable power supply.

If the 3324VC is powering a FOX, SOX or RPTR module, the 12 VDC output from the 3324VC is sent to a RBP4, RBP8 or SRBP Repeater Backplane. The Repeater Backplanes then provide power, communications and mounting for the FOX, SOX and RPTR modules.

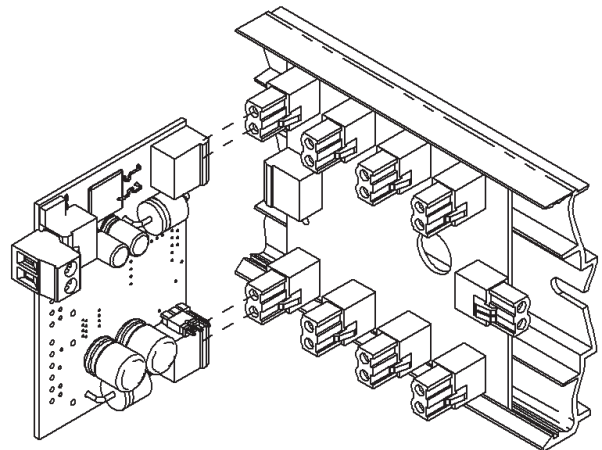


Fig. 1: 3324VC - Voltage Converter plugging into a BP4 - Backplane

Termination

12 or 24 VDC at 1.5 Amps is available at the output of J3. The voltage output is set by the jumper position of JP1. "24" equals 24 VDC output and "12" equals 12 VDC output.

16 to 36 VDC input power is supplied at J1 for 12 VDC output.

28 to 36 VDC input power is supplied at J1 for 24 VDC output.

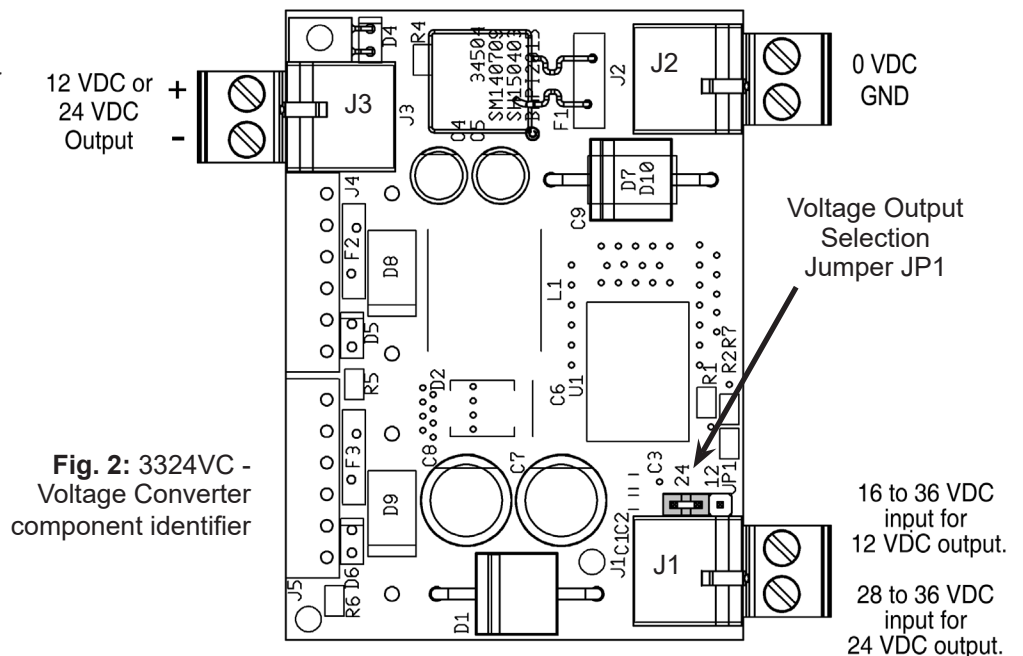


Fig. 2: 3324VC - Voltage Converter component identifier

Specifications

Input Voltage..... 16 to 36 VDC for 12 VDC Output (3312VC)
 28 to 36 VDC for 24 VDC Output (3324VC)

Input Current 1.5A Max at 28 VDC

Output Voltage..... 12 or 24 VDC ± 0.25 VDC

Output Current..... 1.5 Amp maximum (30VA max)