BA/33xxVC - Voltage Converter

Installation & Operating Instructions

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Overview and Mounting

Some of BAPI's ETA line of products require regulated power of 12 or 24 VDC, including the FOX - RS-485 Fiber Optic Transceiver and the RPTR - RS-485 Repeater. The 33xxVC - Voltage Converter converts a 16 to 36 VDC input into a 12 VDC regulated output or 28 to 36 VDC input to a 24 VDC regulated output that is required by the other ETA units.

The 33xxVC can be mounted in two ways. In the first method, the unit plugs vertically into the 4-point or 8-point BP4 or BP8 - Backplane like a standard interface device (see Fig. 1). The 33xxVC receives its supply power from the Backplane which is supplied by a PS17 - 33VDC Power Supply or other power supply.

The 33xxVC can also be mounted in snap track. The unit is then powered with a two-wire connection from the PS17 - 33VDC Power Supply or other power supply.

If the 33xxVC is powering a FOX or RPTR module, the 12 VDC output from the 33xxVC is sent to a RBP - Communications Repeater Backplane or SRBP - Single Repeater Backplane. The Repeater Backplanes then provide power, communications and mounting for the FOX and RPTR modules.

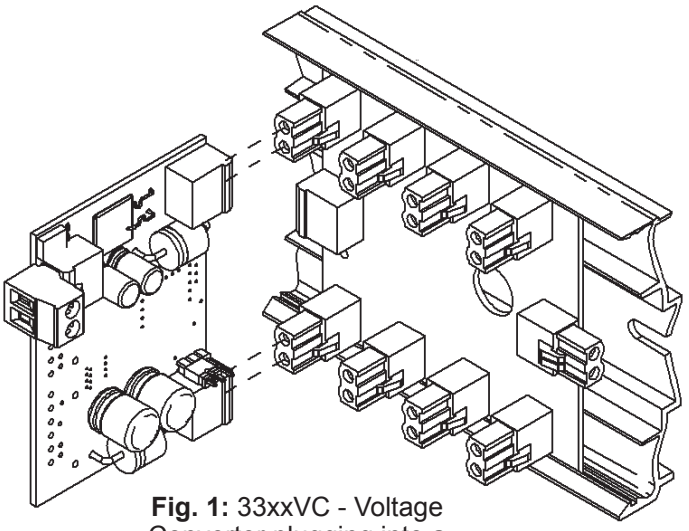

Fig. 1: 33xxVC - Voltage Converter plugging into a BP4 - Backplane

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.

16 to 36 VDC input is supplied at J1 for 12VDC output. (BA/3312VC)

28 to 36 VDC input is supplied at J1 for 24 VDC output. (BA/3324VC)

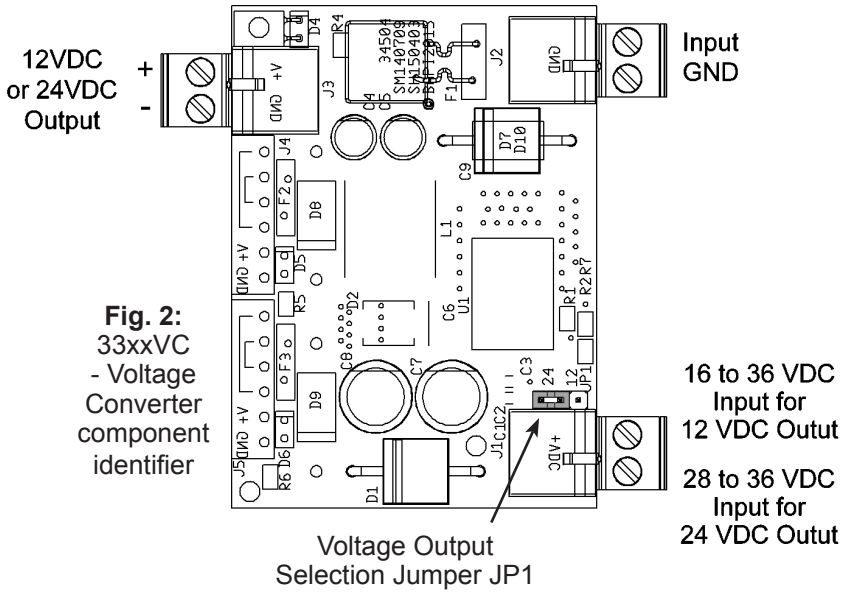

Fig. 2: 33xxVC - Voltage Converter component identifier

Termination

Input Voltage	16 to 36 VDC for 12 VDC Output (BA/3312VC) 28 to 36 VDC for 24 VDC Output (BA/3324VC)
Input Current	1.4A Max at 28 VDC
Output Voltage	12 or 24 VDC ± 0.25 VDC
Output Current	1.5 Amp maximum (30VA max)

Specifications subject to change without notice.

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