

Overview

The BP2, BP4 and BP8 boards provide a convenient way to mount and power the BAPI Electronic Technician Assistant plug-in modules. The BP2, BP4 and BP8 accommodate 2, 4, and 8 ETA modules respectively.

Mounting

Each BP2, BP4, and BP8 board requires 1.5", 3", and 6" of snaptrack respectively. Attach the snaptrack to a suitable mounting surface. Power input plug should be oriented to the left.

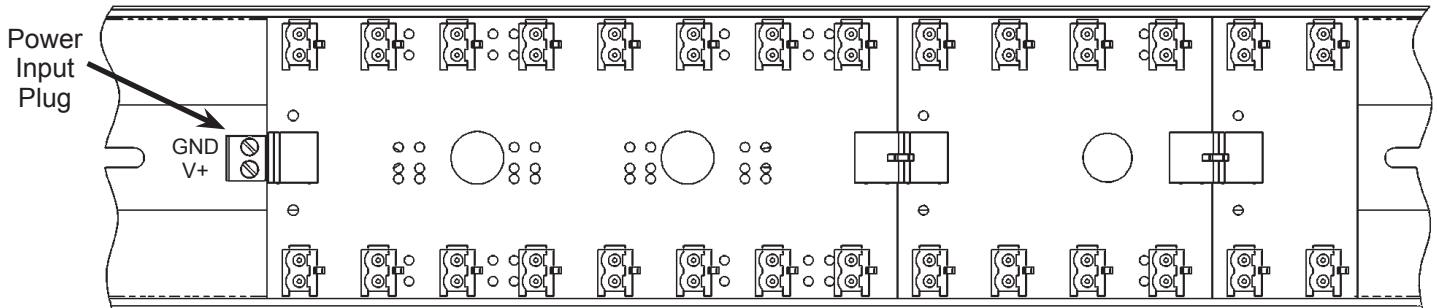


Fig. 1: BP8, BP4 and BP2 modules connected together in a piece of snaptrack.

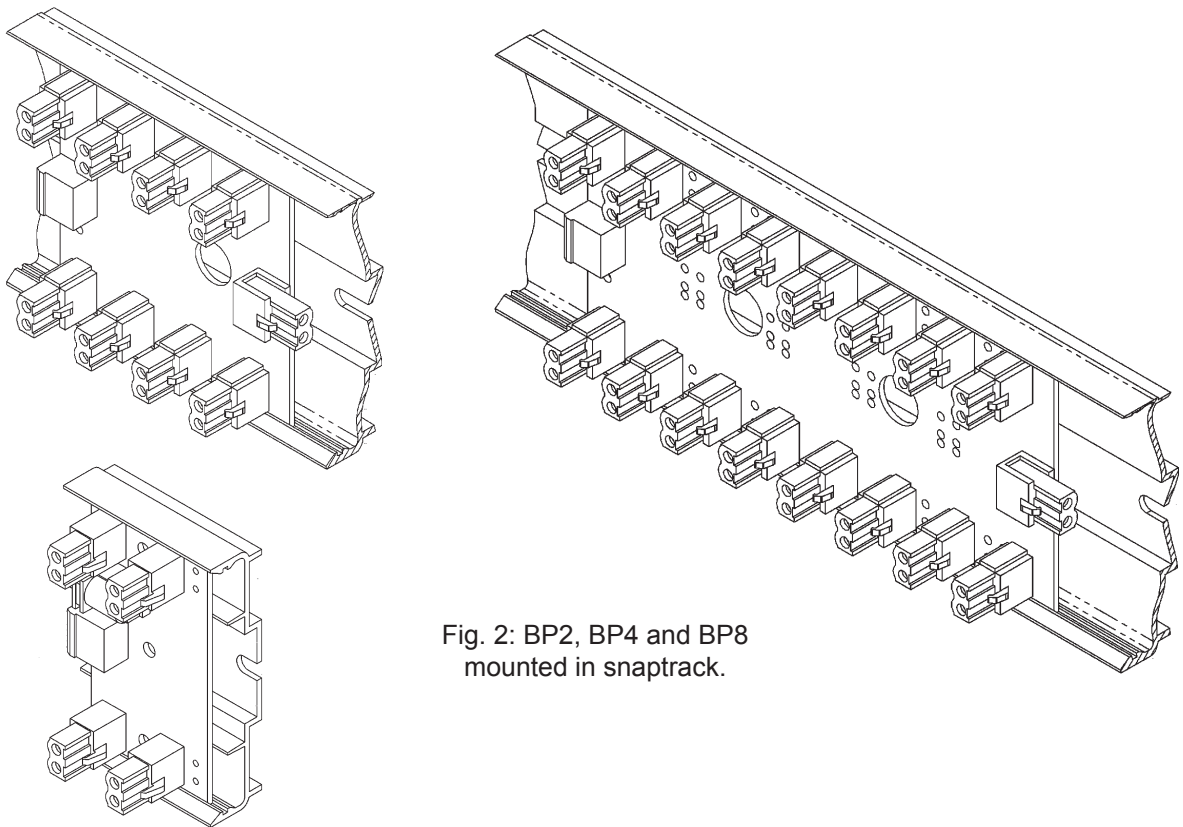


Fig. 2: BP2, BP4 and BP8 mounted in snaptrack.

Specifications subject to change without notice.

Termination

Connect the power cable to the left-most socket using the two pole plug provided. Connect the other end of the cable into a BAPI PS17, PS18 or PS19 power supply. Plug BAPI ETA modules into the backplanes as shown in Fig. 3.

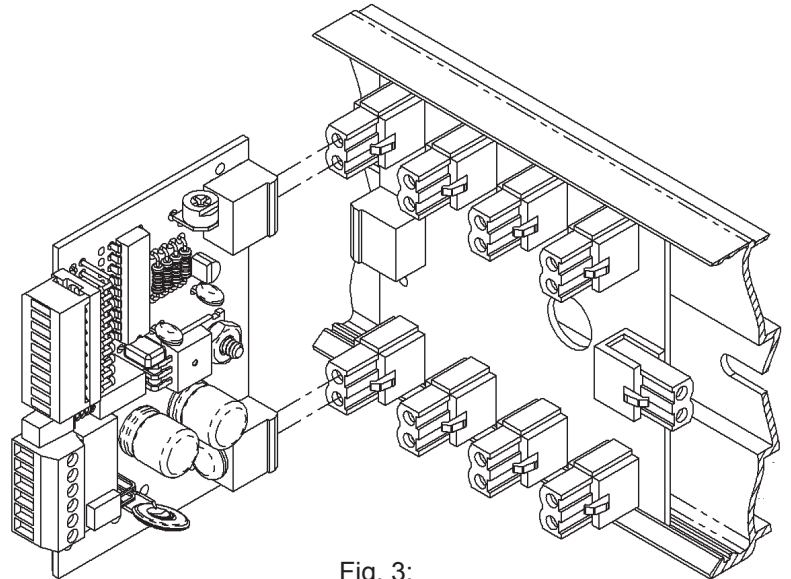


Fig. 3:
Plugging a BAPI EA2 module into a
BP4 Backplane.

Diagnostics**Possible Problems:**

BAPI ETA module has no power

BAPI ETA module will not plug into the backplane

Possible Solutions:

- Make sure that the PS17/18/19 or third-party power supply is turned on and supplying power.
- Make sure that the ETA module is firmly plugged into the backplane on both upper and lower sockets.
- Make sure that the power input plug is firmly plugged into the backplane board
- Make sure the power input plug is terminated correctly with +V on the "lower" terminal and ground on the "upper" terminal.
- Make sure that the backplane is inserted into the snap track in the proper orientation.

Specifications

Power Voltage: 0 to 40 VAC or VDC

Power Current 4 Amp Maximum

BP2 Power Jack: 2.5mm inner diameter, 5.5mm outer diameter. Using this connector limits current to 4A. Power supply should not exceed 4A.

Note: Max amps available from PS17/18/19 power supply is 4A. This is typically sufficient for up to 3 BP8s installed together on a TRK18. If using a third-party power supply, input should be fused at 8A max. Power input plug is nominally rated for 10A.

Specifications subject to change without notice.