

Overview

Many times, it is necessary to move an actuator throughout its entire range of motion to troubleshoot the mechanical linkage. In DDC systems, this procedure requires a laptop computer, communications interface and special software. Then you have to know which controller to interface with, that controller's individual address and which output connects to the actuator you need to troubleshoot. Now the battery is going dead on your laptop and there is nowhere to plug in the charger.

There is a better way. If you use the BA/EA2 module to drive your modulating actuators, the OAM (Output Adjust Module) accessory allows you to stroke your actuator to any position without any additional equipment. Simply plug the actuator cable into the OAM and then plug the OAM into the EA2. Turning the knob on the OAM allows you to set the actuator's position anywhere in its range.

Mounting

The BAPI BA/OAM plugs into a BA/EA2 as shown in figure 1.

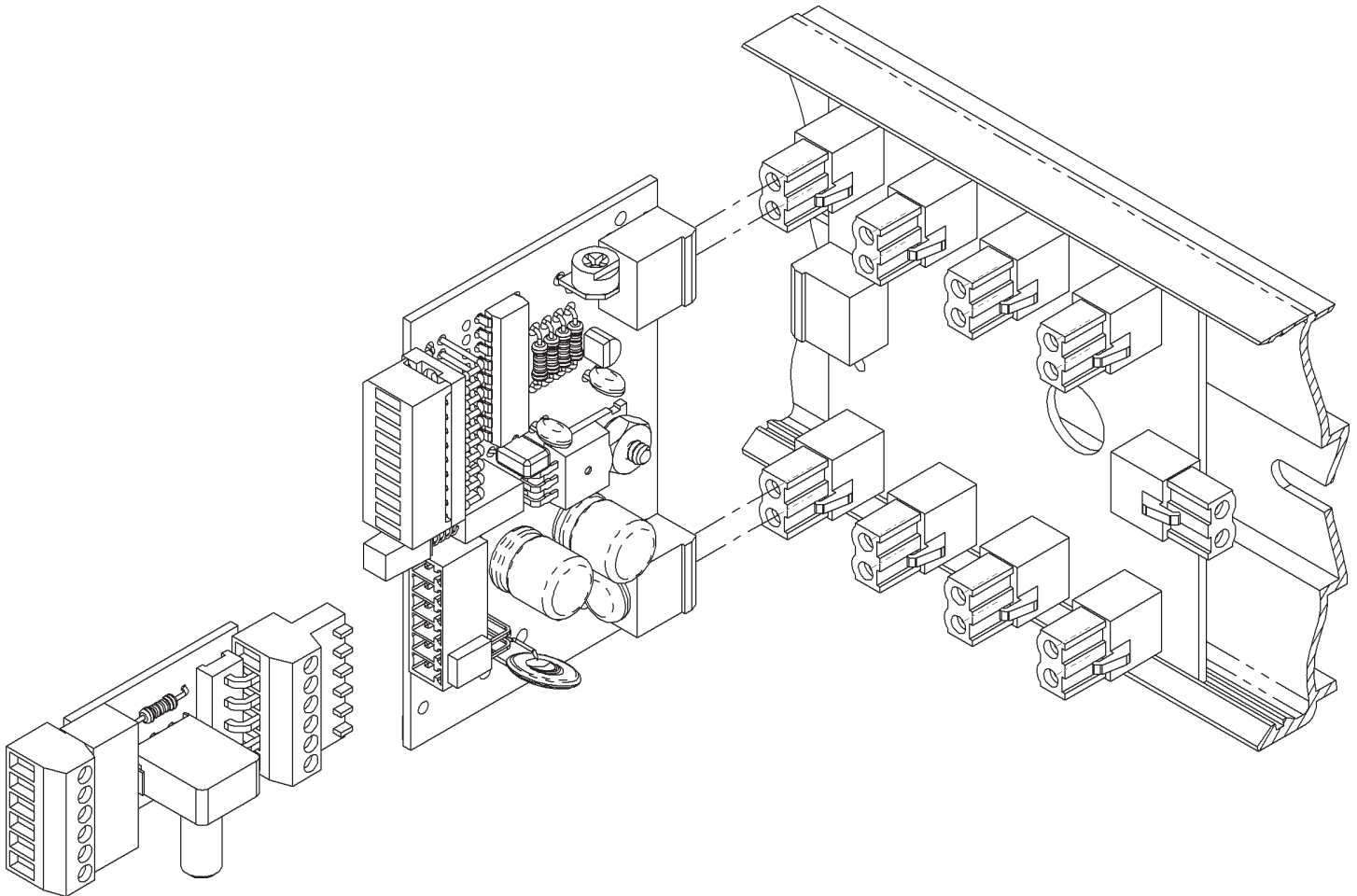


Figure 1
BA/OAM plugging into a BA/EA2.

Specifications subject to change without notice.

Termination

Remove the connector with the actuator wires from the BA/EA2. Plug the male end of the BA/OAM into the BA/EA2. Plug the connector with the actuator wires into the BA/OAM.

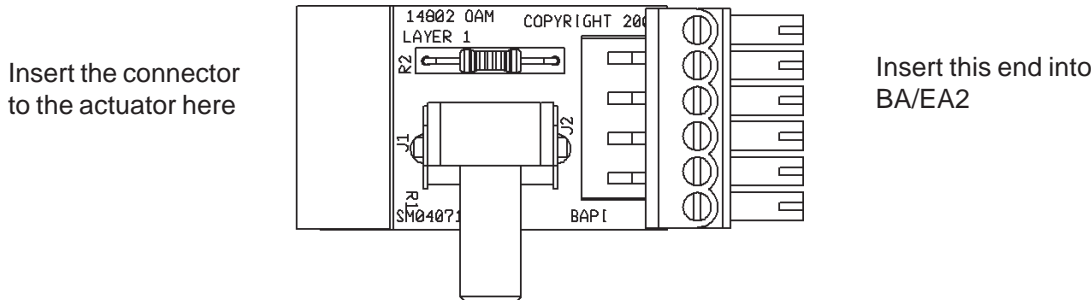


Figure 2
BA/OAM Component Locator

Operation

Turning the pot shaft will move the actuator. The BA/EA2's LEDs will work normally, when you press the BA/EA2's pushbutton you will see the pot's output on the LEDs.

Troubleshooting**Possible Problems:**

The actuator will not move when the pot shaft is turned

The lit segments do not match when S1 is pushed

Possible Solutions:

- Check to see that all connectors and modules are firmly inserted into their connectors.
- Make sure that the BA/EA2 has power and is not in current limit.
- Check to see if the power cable is firmly inserted into the backplane.
- Check to see if the PS17 is working correctly
- Check to see if the power to the PS17 is turned on
- Actuator may be moving, wait and recheck
- Check to see if the actuator is mechanically obstructed

Specifications

Input voltage 24VDC nominal
 Output voltage 0 to 10VDC nominal
 Output current 2mA max

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