

Eclipse PRA6 Rotary Actuator Replacement Tips

Use Instruction Manual 904 for details on the PRA6 actuator. Very detailed instructions and pictures for installation start on page 12.

<http://riveon.eclipsenet.com/parkstreet/public/ViewFile.aspx?aid=270981>

Use Data 904 for mounting accessory part numbers.

<http://riveon.eclipsenet.com/parkstreet/public/ViewFile.aspx?aid=270982>

Use Info 720-2 for installation on Eclipse catalog 720 butterfly valves. This is an excerpt from the actuator manual.

<http://riveon.eclipsenet.com/parkstreet/public/ViewFile.aspx?aid=162782>

Use Data 720 for part numbers on Eclipse catalog 720 butterfly valves.

<http://riveon.eclipsenet.com/parkstreet/public/ViewFile.aspx?aid=164784>



Note:

The new actuator is shipped with rotation set clockwise to open and in its low fire position, which depends on the part number:

0 degrees for PRA6 ___ A

15 degrees for PRA6 ___ D



Warning:

Remove power from the equipment when removing the existing actuator and installing the new unit.

1. Before removing the existing unit, power it and note the parameter settings. Press the RESET button twice and the display will show the parameter and then its value; see p.28 and p.35 of Instruction Manual 904.
2. Before removing the existing unit, note how the wires are connected to its terminals; see pp.15-18 of Instruction Manual 904.
3. Before removing the existing unit, note the shaft and bolt positions so that you can match it when installing the new unit. The coupling has through-holes at 90 degree positions for the bolt that attaches to the butterfly valve shaft.
4. A new coupling and spring pin should be installed onto the new actuator and is best done at a work bench; see p.13 of Instruction Manual 904.
5. Before mounting the new actuator, apply temporary power and set it to the values recorded from the existing unit.
6. Be careful to get a good alignment between the actuator shaft and butterfly valve shaft; see step 8 on p.14 of Instruction Manual 904 for a method to test alignment.
7. Inspect the installation for tightness of mechanical and electrical connections. Power up the system and verify that the stroke motion is smooth over its entire range. After you are sure the system responds properly and is safe to operate, you may use the equipment.