

Mode 2: Two Position Without Stops

In this mode the actuator uses only the encoder to find the correct position. This mode is used for the Cheminert Model C32 valve and for custom applications involving on/off valves or any other two position valve that literally has no mechanical stops.



Note: Installing a valve with mechanical stops while in this mode could damage the actuator.

To set up the actuator in this mode:

1. Make sure that the valve is already mounted on the actuator.
2. Type **AM2**<enter> to set the actuator to Mode 2, Two Position without Stops.
3. Type **NPn**<enter>, where *n* is the number of ports the valve has. For example, **NP6**<enter> tells the actuator that the valve has 6 ports, so the actuator can calculate the appropriate number of degrees from position A to position B. In this example, that distance is 60 degrees (360 / 6 ports).

Mode 3: Multiposition

Select this mode for any Valco or Cheminert multiposition valve or selector with up to 32 positions. The actuator will use its encoder to calculate the proper rotation to find each position.



Note: Installing a valve with mechanical stops while in this mode could damage the actuator.

1. Make sure that the valve is already mounted on the actuator.
2. Type **AM3**<enter> to set the actuator to Mode 3, Multiposition.
3. Type **NPnn**<enter>, where *nn* is the number of positions the valve has (must be an even number between 2 and 40). For example, for a 10 position valve, type **NP10**<enter> to set the number of positions to 10.



Do not confuse the number of positions with the number of ports. Many multiposition valves have more than one port associated with each position.

4. Type **HM**<enter> to send the valve to its HOME position (position 1).

In this mode, counterclockwise moves the actuator in the “positive” direction—position 1 to position 2. The clockwise direction is “negative”, moving in the direction of position 2 to position 1.

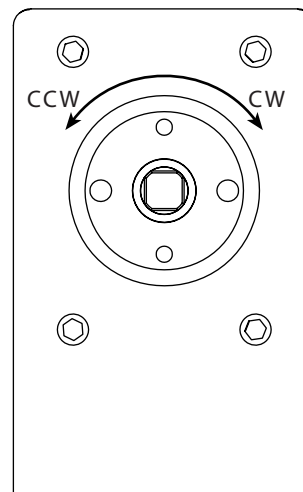


Figure 8: Actuator orientation