

INSTALLATION PROCEDURE

MS-5320-OE Actuator installation to 6 port valve

- 1- Place the coil port of the valve facing you.
- 2- Cooling port will be on the left side. Rotate the valve body stem so to align the valve stem markers (on top of the valve) to be at cooling port.
- 3- The heating port is on the right side. Same side as the round installation bracket. Looking at the top of valve stem.
- 4- While the is actuator Not installed on the valve. Press the clutch and using the handle, position motor yoke so it is all the way clockwise at 0-degree mark on the actuator.
- 5- Mount motor in desired position on valve ISO pad, any 90-degree required indexing position.
- 6- Install the plastic pointer to match step#2, the valve stem markers will much the actuator position markers. This unique position indicator allows you to install the motor in any position rotating it 90° angle and always position the plastic position indicator to see which ports are open or closed
- 7- Install handle. Small end point to 45-degree mark on the actuator.
- 8- Install top screw. Do not over tighten. Test the rotation by using manual override on motor; it should be easy to rotate by hand.
- 9- Check the actuator should be set to CCW on the rotation switch.
- 10- If the valve assembly is used with a TE256 room thermostat. Please note the outputs 0Vdc for 100% heating, 5V dc for No heat 0% and No cool 0% and 10Vdc for 100% cooling
- 11- If you require to change inverse heating and cooling piping due to space restrictions or piping directions it is OK but reverse the rotation switch on the actuator to CW. Reversing actuators action.
*Important: Check with control contractor if it matches its control sequence.

12- If you require parallel connection of 2 actuators or more (Max 5) please observe wiring diagram on the actuator data sheet and use actuator output to drive to the next actuator input. Do not parallel wire several actuators in to same controller point output.

13- Maintenance space for motor Replacement: 1 inch.

If the valve is installed without the actuator at least 4.20in will be required for installation of motor.

