

Installation and Operation Instruction

The actuator types **FlowCon EV.0.2, EV.0.3, EVP.0.3, EV.1.3, EV.0.4, EV.1.4** and **EV.0.5** are thermal actuators, Normally Closed. EV.0.2 is 24V modulating and EV.0.3, EVP.0.3, EV.0.4 and EV.0.5 are ON/OFF actuators. FlowCon EV.1.3 and EV.1.4 are ON/OFF versions with end switch.

Fitting and Re-moving

NEVER install the actuator in closed position - this may damage the actuator and makes it difficult to install.

To ensure that the valve is in an open position during commissioning, all EV actuators are delivered in a Normally Open position and remain in this position until electrically operated first time.

The EV actuators are as standard supplied with a separate black adaptor ring. FlowCon also stocks different dimensioned red and grey adaptor rings. The EV.0.2 comes with cable plug-in. All other EV actuators have fixed cables.

Mount the adaptor ring on top of the valve and finger tighten. Do not use additional tools. If cable plug-in version, be sure cable is properly fitted next. The actuator can now be fitted on the adaptor ring. A click noise will indicate that the actuator is correctly fitted (figure 1).

In case the actuator will have to be removed, activate the release mechanism. Push the front button and removed the actuator from the adaptor ring.

Please make sure that the actuator is electrically opened, before re-fitting it on the valve.

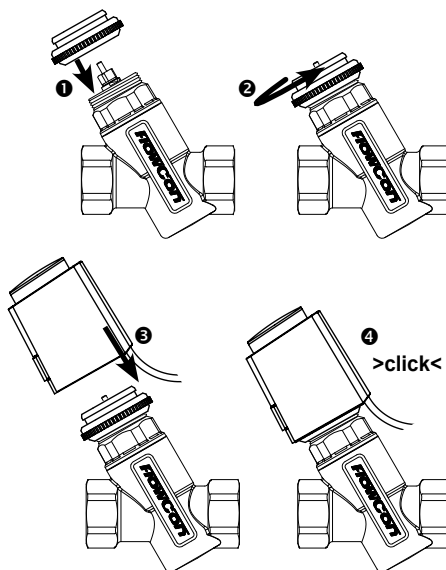


Figure 1

Orientation

Upside-down installation is allowed along with the standard horizontal and vertical installation.

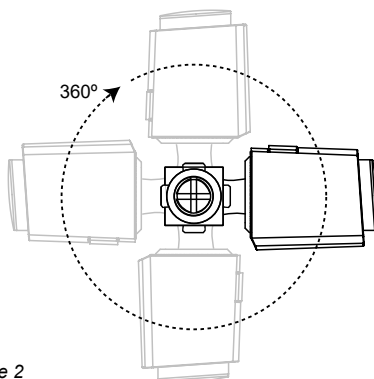


Figure 2

Wiring

24V versions must be powered by a safety isolating transformer (for AC variant) according to EN 61558-2-6 or class II FCC-quality proofed or a switching power supply (for DC variant) according to EN 61558-2-16.

Start-up Sequence

During FIRST TIME POWERING operating voltage must be applied for at least 6 minutes.

Ensure to have the FlowCon EV.0.2 mounted on the valve, when powering as it has automatic stroke detection.

