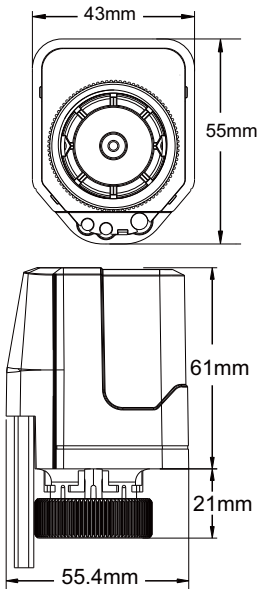


The SA905 series linear actuator is specifically designed for short-stroke linear valves, such as motorized zone valves and pressure-independent control valves(PICVs).

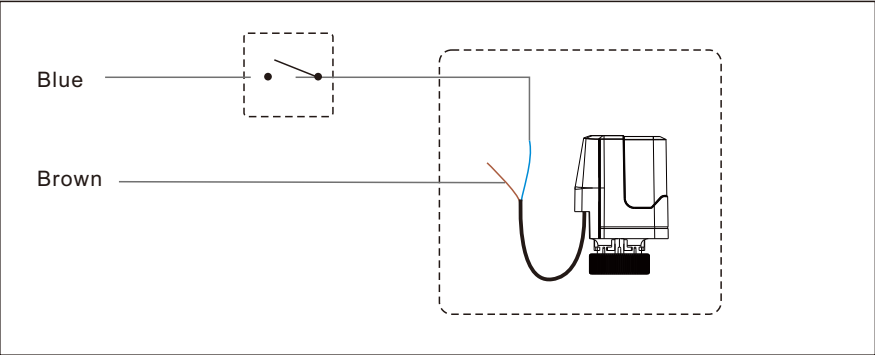
The SA905 power-off auto-reset actuator is equipped with a built-in Dc gear motor and asupercapacitor, When powered on, the actuator performs the valve opening operation, which takes approximately 2 minutes to fully open the valve. Upon power loss, the supercapacitor supplies stored energy to drive the valve to the fully closed position completing the closing process in approximately 45 seconds.

Technical specification

- * Power supply: SA905-S:100-240VAC
SA905-S(24V):18-30VAC
- * Thrust force: 100~140N
- * IP rating: IP54
- * Wring: Without auxi aryswitch2x05mm²
- * Wire length: 0.9M
- * Vave connection: M30x1.5mm
- * Operating environment: -5~60°C, 0t~90%RH
- * Housing material: PA66+15%GF,PC
- * Max stroke: 4.5mm

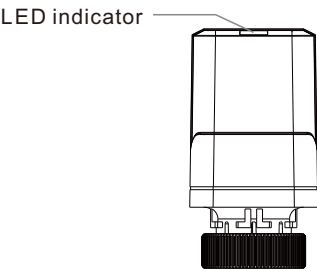


Wiring diagram



Status and operating conditions

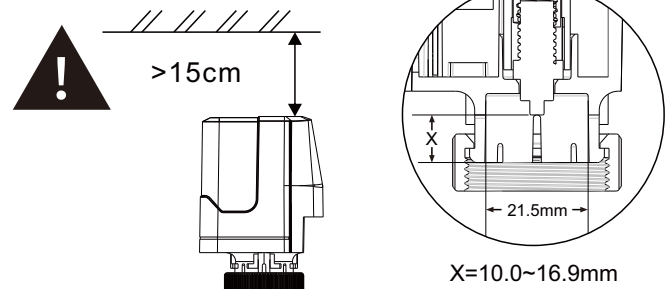
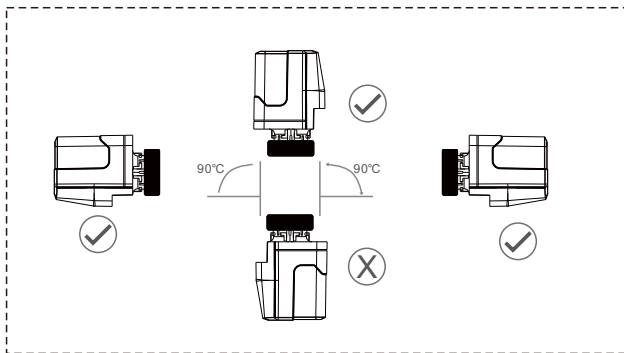
LED-Code	Information
Keep on(Red)	Power-on indicator
Keep on(Green)	Actuator in fully open state
Flashing(Green)	In operation



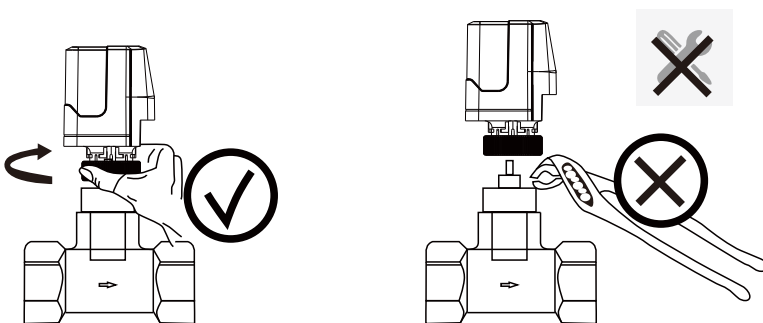
Mounting instructions

When mounting the actuator on terminal unit valves, follow these instructions:

- Never use the actuator as a mounting lever.
- It is recommended that the valves be mounted upright or at angles not greater than 90° in an easily accessible location.
- Do not mount the actuator upside down to avoid dripping water, as this could enter the housing and damage the mechanism or motor.
- Do not cover with insulating material.
- Never grab the actuator and forcibly turn it. To reposition the actuator on the valve, loosen the coupling, reposition the actuator and then retighten the brass coupling by hand.
- Sufficient clearance must be allowed for actuator removal.



- Hand tighten only. Do not over tighten. When mounting the actuator on the valve, only hand tighten the brass threaded coupling. Using a wrench to tighten the coupling will damage the actuator, cause it to fail, and will void the warranty. Position the actuator on the valve before tightening by hand.



- Check to be sure the actuator spindle is in its full retracted position as received.
- Do not connect the power supply before mounting the actuator on the valve.