



SSE-24VAC-4W is a thermal 4-wire manifold valve actuator for SSE hydronic manifolds. It provides individual loop flow control on a multi-zoned manifold.

4-wire

Normally (Currentless) Closed  
Hand-tight installation onto the manifold.

|                           |                                 |
|---------------------------|---------------------------------|
| Voltage                   | 24VAC                           |
| Switch-on current max     | 250 mA                          |
| Operating current         | 75 mA                           |
| Operating capacity        | 3 W                             |
| Closing and opening times | 3 minutes                       |
| Displacement              | 4 mm                            |
| Pulling Load              | 100 N +/- 5 %                   |
| Ambient temperature       | 0°C up to +65 °C                |
| Operating range           | <b>-58 to 140F (-50 to 60C)</b> |
| Weight                    | 100 g with cable                |

Check all parts.

Replace damaged actuators.

Do not attempt to repair.

Mount the actuator so that it is aligned horizontally or facing up.

|   |                            |
|---|----------------------------|
| Wire on Actuator Uponor Zone Control Module | TACO Zone Valve Controller |
| Blue (24 VAC) R1                            | 1                          |
| Brown (24 VAC) R2                           | 2                          |
| Black (End Switch) Y1                       | 3                          |
| Black (End Switch) Y2                       | 4                          |

Connect 24 VAC power from a thermostat or zone control module to the brown and blue wires of the actuator.

When 24 VAC power is applied to the actuator, it will take 3-4 minutes for the actuator to fully open. When power is cut, it will take 3-4 minutes for the actuator to fully close. A dry-contact end switch is built in to the actuator. When the actuator fully opens, the end switch will close. If required, connect the two black end switch wires to a suitable 24 VAC-powered relay, to activate a device to be operated by the actuator's end switch. If the end switch is not needed, it is not necessary to use the black wires, and they may be trimmed.