

# Product Instructions

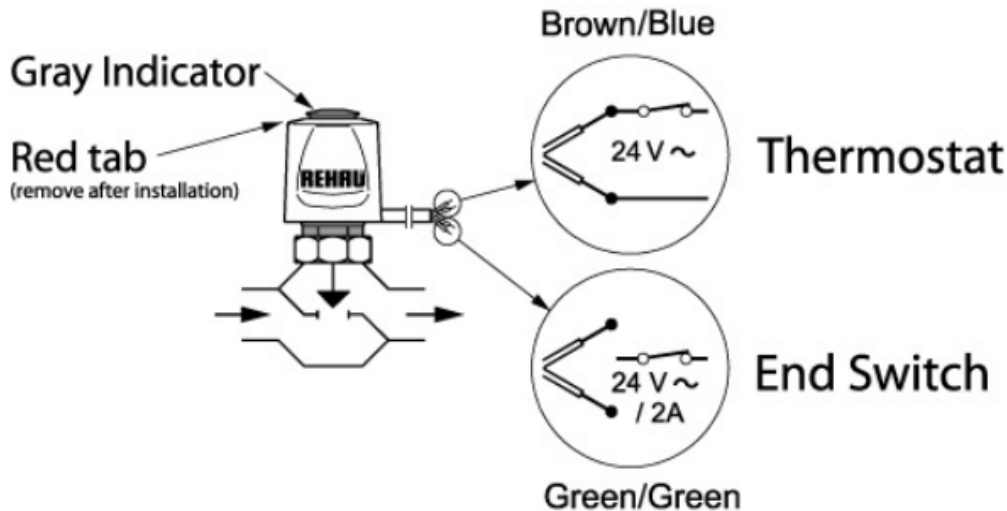
4-wire Manifold Actuator Valve Art. 260166-002



## Product

**instructions:** REHAU 4-wire Manifold Valve Actuator, Article no. 260166-002

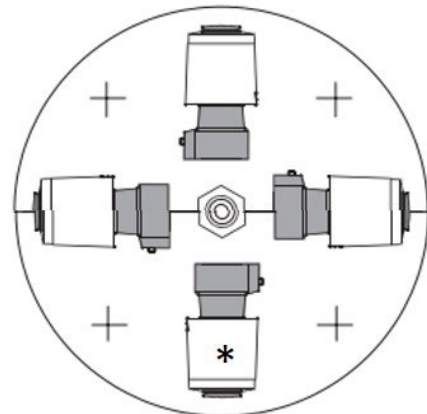
**Date:** 15 January 2023 (supersedes 30 September 2022)



The REHAU Manifold Valve Actuator (“the actuator”) may be installed in any orientation.

\*If the actuator is installed inverted (upside down), preventative measures should be taken to ensure that moisture and/or fluid does not enter the underside of the actuator. This may cause potential electronic failure resulting in the closure of the manifold valve.

When using the actuator with PRO-BALANCE® manifolds, be sure to first set each manifold balancing valve according to the procedures in the manifold instructions. Install the actuator hand-tight onto the manifold.



The red pull-out tab is provided to reduce the force of the actuator when installing on the manifold. The manifold valve remains open when the red tab is in place. Keep the red tab in place when installing the actuator on the manifold. Remove the red tab after installing the actuator.

The gray position indicator allows for visual verification of the actuator’s position. When the actuator is off and closed, the gray indicator is flush with the top of the actuator. When the actuator is on and open, the gray indicator will rise out of the top of the actuator and be visible from the side.

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## 4-wire Manifold Actuator Valve Art. 260166-002



Connect 24VAC power from the thermostat or pump control module to the brown and blue wires of the actuator. When 24VAC power is applied to the actuator, it will take 3 to 4 minutes for the actuator to fully open. When power is removed, it will take 3 to 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 green end switch wires to a suitable 24VAC-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 green wires and they may be trimmed and taped.

### Features and Specifications:

- Ambient operating temperature range of 32°F to 140°F (0°C to 60°C).
- 24VAC "thermal motor" heating element melts a wax cartridge, allowing the actuator to open when there is a call for heat (power on). When the power is off, the wax cools and closes the valve (Normally closed). Operation takes 3 to 4 minutes.
- 4 wires: blue/brown – Apply 24VAC power; green (2) – end switch. Length – 40" (100 cm).
- Built-in end switch that closes when the actuator is fully open. This dry-contact end switch can be used to operate 24VAC relays for pumps and other devices, and can be wired so that pumps turn on only when actuator is fully open. Two green wires connect to the end switch.
- Gray indicator on the top of the actuator shows the position (open/closed).
- Low power draw: approximately 2VA in operation, maximum 4.5 VA when first powered.

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