

User Guide

Viega 0-10V DC Actuator

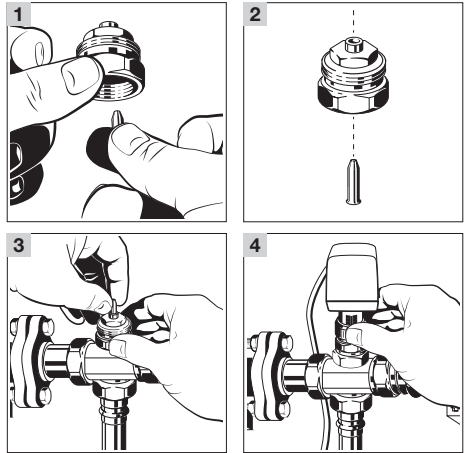


This document is subject to updates. For the most current Viega technical literature please visit www.viega.us.



Viega products are designed to be installed by licensed and trained plumbing, mechanical, and electrical professionals who are familiar with Viega products and their installation.

Installation by non-professionals may void Viega LLC's warranty.

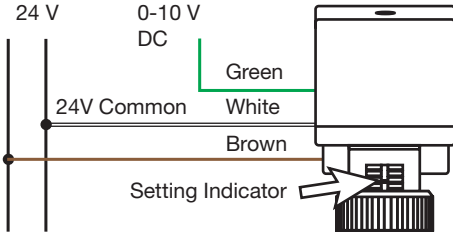


Mounting the Actuator

- 1** Insert the brass pin into the bottom of the adapter fitting so that the flange is facing down.
- 2** Pin Setting: Insert pin so that flange is facing down towards valve body.
- 3** While holding the brass pin with one hand, use your other hand to tighten the adapter fitting onto the diverting valve.
- 4** Place the actuator onto the pin/adapter fitting and thread the actuator nut onto the adapter fitting until hand tightened.

Wiring

- 1 Connect the brown wire to 24 volts (usually labeled R on most hydronic equipment).
- 2 Connect the white wire to ground (24 volt common, typically labeled C on most hydronic equipment).
- 3 Connect the green wire to the 0-10V DC control signal (usually from thermostat or DDC building management system).



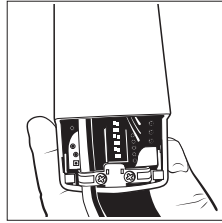
Manual Override Function

The actuator can be operated manually by inserting a 4mm allen key into the hex port on top of the actuator. Turning the allen key clockwise will raise the pin, while turning the allen key counterclockwise will lower the actuator pin. The stroke of the actuator is visible through the setting indicator. (Make sure power is turned off to the actuator while using manually.)

LED Display

The green LED display is visible only with the rear cover removed.

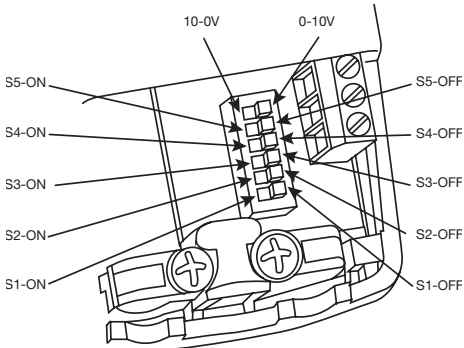
- On: Power supply available, motor off
- Flashing: Actuator motor adjusting stroke
- Off: No power



Programming

The 0-10V actuator is capable of being programmed for linear or equal percentage valve control. Setting the actuator for equal percentage is recommended for use with the Viega mixing stations/diverting valves.

- 1 Remove the cover on the back of the 0-10V actuator with allen wrench (2mm).
- 2 Once the back cover is removed, a set of dip switches will be exposed.
- 3 For linear valve control set the first 5 dip switches (1-5) to the OFF position.
- 4 For equal percentage valve control set the first 5 dip switches (1-5) to the ON position.
- 5 Set dip switch 6 to the off position for 0-10V DC control.
- 6 Setting dip switch 6 to the on position will provide 10-0V DC.



The 0-10V DC actuator should be set for equal percentage valve control when used with Viega mixing stations/diverting valves.



> Viega LLC

585 Interlocken Blvd.
Broomfield, CO 80021

Phone (800) 976-9819
www.viega.us

UG-HC 573217 1219 0-10V DC Actuator (EN)

