WaterCop Z-Wave Large Valve Installation Guide

A Large Valve application (1 ½" or larger) is much the same as those less than 1 ½", but it incorporates an industrial actuator required to torque the larger valve. Please note that this guide is for wiring placement only. Wiring is done through the ½" conduit connection. You should follow your best practices and follow local codes.

⚠️ **WARNING!** The valve closes with great force and could cut off a finger. Keep fingers and other objects out of the valve when testing.

Image # 1

1) Remove the **WCEH Series** DynaMatic industrial valve/actuator and **ZWACT##LV** from their boxes so you can wire them.

2) Loosen the small Allen-head screw in the side of the indicator arrow on the **WCEH Series** actuator then gently pry off the indicator arrow with a screwdriver.

3) Back out the four Allen-head bolts and take off the top cover to expose the wiring terminals in the **WCEH Series** actuator. Save the gasket for step 6. (Reference Image # 1)

4) Back off, remove and discard the thin plastic hex nut on the strain relief of the **ZWACT##LV** (Reference image #2).

5) Run the bare end of the (25', 50' or 75') pigtail wire from the **ZWACT##LV** through the ½" conduit port to wire in the actuator. Partially tighten the strain relief into the ½" conduit port.

Image # 2

6) Connect the 3 leads from the **ZWACT##LV** to the designated terminals in the **WCEH Series** actuator. (Reference image #3)

7) Position wires out of the way and fully tighten the strain relief.

8) Replace gasket, cover, and indicator arrow.

9) Power the **ZWACT##LV**.

⚠️ **WARNING!** The valve closes with great force and could cut off a finger. Keep fingers and other objects out of the valve when testing.

10) You are now ready to integrate with the Z-Wave Hub and test the system. Add sensors and create the scene/s, if sensors will be used for leak detection and automatic shutoff.

Image # 3

11) After successful testing, you're ready to fully install the valve/ industrial actuator.