



# Smart Actuator

## User Manual



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Installation Video  
and Online Manual

For more information and  
troubleshooting tips, check  
out [www.rusco.com/smart](http://www.rusco.com/smart)



## **SPECIFICATIONS**

Voltage: .....	12V/1A
WiFi Frequency .....	2.4 GHz
WiFi Standard .....	802.11b/g/n
Wireless Range (line of sight).....	200-260ft
Valve Pressure.....	230 PSI
Close / Open Time .....	5-8 seconds

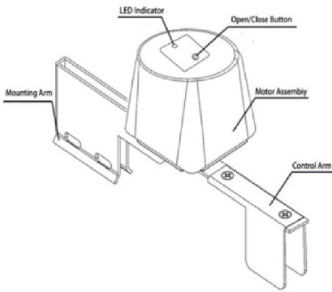
## **WHAT'S INCLUDED**

- 1 - Wireless Valve Controller
- 1 - 12V Power Adapter
- 2 - Stainless Steel Double Hose Clamps

## **PRECAUTIONS**

- Pay attention to the alignment of the coaxial line when installing
- Pull the clutch down first if you need to rotate manually
- Always disconnect the power to the actuator when working on the unit

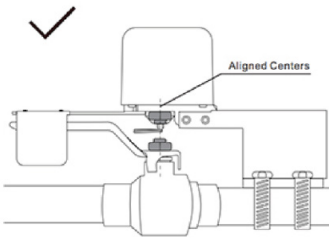
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## INSTALLING THE SMART ACTUATOR

Rusco's Smart Actuator is easy to install onto existing ball valves, essentially turning regular quarter-turn ball valves into smart ball valves.

You can monitor and control your valves from your phone. You can even set schedules and close or open valves based on sensors, like Rusco's Smart Leak Detector preventing a small leak from becoming a big problem.



1. Slide the 2 clamp hoses through the slots on the mounting arm and loosely clamp the mounting arm onto the pipe.
2. Attach the valve controller to the mounting arm with the 2 provided screws. Make sure the nut attached to the arm of the actuator is perfectly centered over the top of the nut on the stem of your ball valve.
3. Adjust the control arm to fit snugly over the lever.
4. Make sure the 2 clamp hoses are tight and actuator is secure on the pipe.



The Smart Actuator can also be operated manually in the even of a power outage. Follow these instructions to manually operate the Shut-Off:

1. Unplug the power from your device.
2. Locate the Motor Clutch on the underside of your device and pull it outward by the key chain ring. The Control Arm will disengage from the motor and move freely.





## APP INSTALLATION & SETUP

1. Download the 'SmartLife' App
2. Launch the SmartLife App
3. Create a login or continue as guest\*

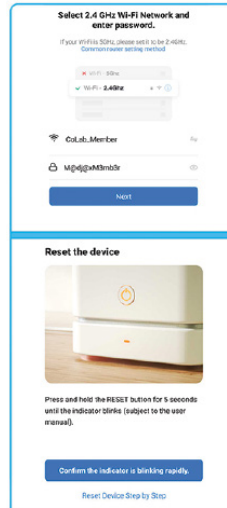


\*A free account is needed in order to access advanced features like creating a house setup and triggering different actions

Compatible with  
Alexa/ Google Home



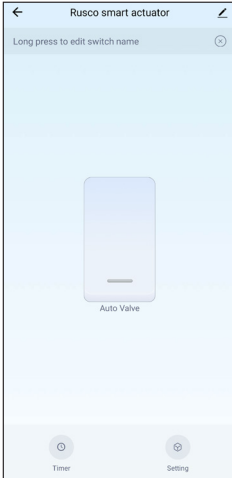
1. Tap the blue '+' icon -> Add Device and scroll down to Others -> Others(Wi-Fi)



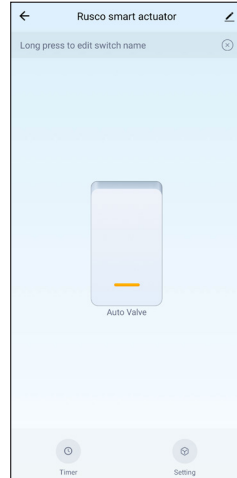
2. Follow the on-screen prompts to install the actuator. *If you're having issues adding your device, try switching to a 2.4 GHz WiFi band.*

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3. This is the main screen for the actuator. Here you can remotely control the valve, set up a countdown, or schedule a time to turn the valve on or off.

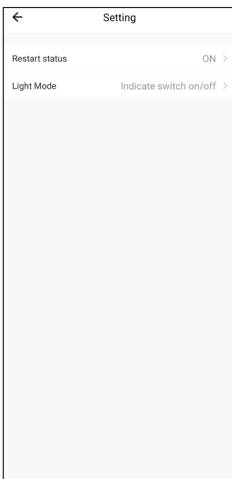


This screen shows when the switch is 'off' and the actuator in the closed position.  
(Water or gas is shut off)

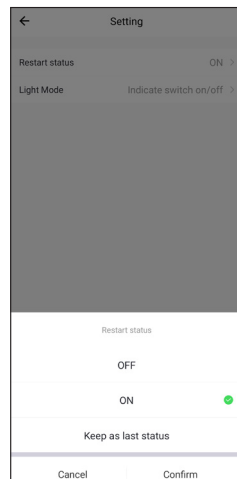


Light under the switch is on, which means the actuator is on. (Water or gas is flowing)

## RESTARTING



1. Tap the 'Setting' button at the bottom of the screen.



2. Tap 'Restart Status' to change it so if the valve loses power, when it comes back on it will either turn off, turn on, or reset to last setting.



## **TROUBLESHOOTING**

### **Why is my smart actuator not connecting to Wi-Fi?**

- Try resetting the unit by holding the button for at least 10 seconds until the unit powers off, then power it back on and wait for the light to blink.
  - If the light is blinking quickly, try adding the actuator through the steps listed on the previous page.
  - If the light is blinking slowly, go to your phone or tablet's WiFi settings and connect to the 'SmartHome-####' WiFi and then try to add it again with the app.
- Make sure the password for your WiFi is set properly.
- If you have a 5 GHz router, check your router's user manual to see if it has Dual band available and make sure you're connecting to the 2.4 GHz network.
- If dual band is not available on your router, check the manual to see how to switch the band to 2.4 GHz.

### **Can I use bluetooth with this product?**

- No, this actuator uses only WiFi technology.

### **Can I control my actuator if I'm not on my home network?**

- Yes, as long as the actuator is on and is connected to WiFi and you have a WiFi or cell signal, you will be able to control the actuator via the SmartLife app.

### **Can I operate the smart actuator without a smart phone?**

- There is a manual button on the device that can control the actuator.

### **What if I lose power and I need to operate the actuator?**

- You can manually open or close the actuator by pulling down on the key chain ring on the bottom of the unit and moving the control arm by hand.

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