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MOES WiFi Smart Water Valve

MOES WiFi Smart Water Valve Instruction Manual

Model: WiFi Smart Water Valve

1. Introduction

The MOES WiFi Smart Water Valve is an intelligent device designed to automate the control of water or gas valves in various applications, including home use, agriculture, and husbandry. It integrates with the Tuya Smart Life App and is compatible with Amazon Alexa and Google Home for convenient remote and voice control. This manual provides detailed instructions for installation, operation, and maintenance to ensure optimal performance and safety.

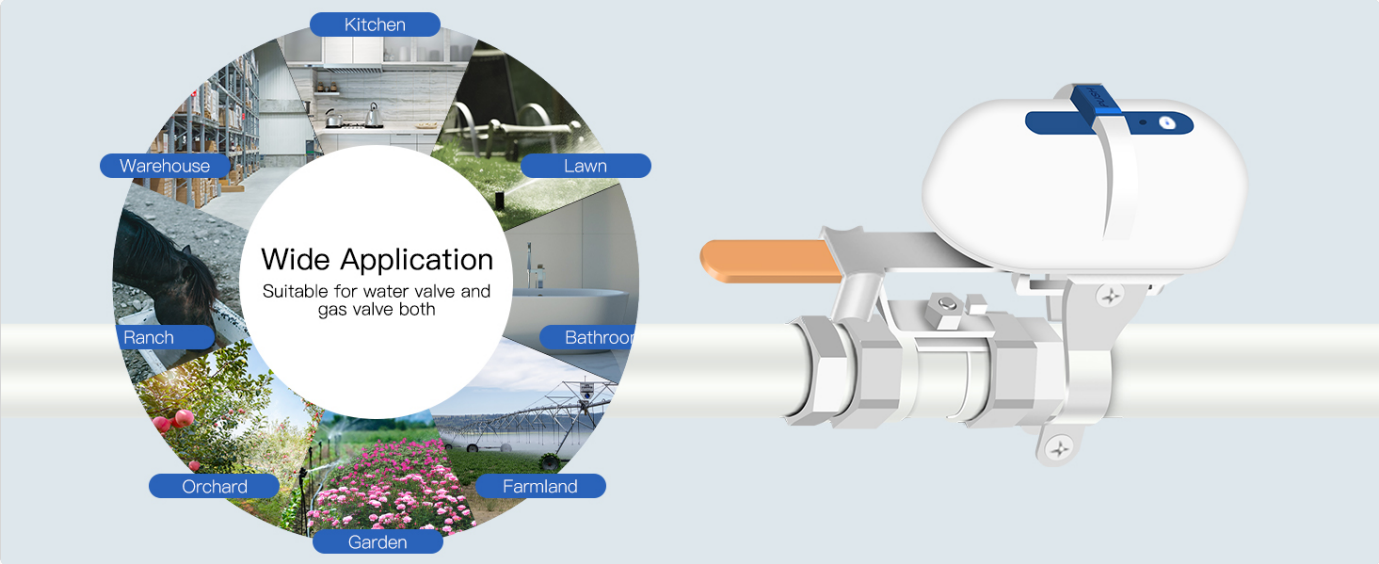


Image 1.1: The MOES WiFi Smart Water Valve can be used in diverse settings such as kitchens, lawns, bathrooms, ranches, orchards, gardens, farmlands, and warehouses for water and gas valve control.

2. Important Safety Information

Please read all safety warnings and instructions carefully before installing and operating this device. Failure to follow these instructions may result in property damage, injury, or death.

- Ensure the main power supply to the valve area is turned off before installation to prevent electrical shock.
- This device is designed for use with **"one-handed" type valves** that have a long handle on one side only. Do not attempt to install on other valve types.
- Verify the pipe diameter is compatible with the mounting brackets (1in-1.25in) or use the included rubber gasket for

0.8in pipes.

- Installation should be performed by a qualified professional if you are unsure about any steps.
- Keep the device away from direct water exposure unless specifically designed for such environments.
- Do not attempt to disassemble or repair the device yourself. Contact customer support for assistance.

3. Package Contents

Carefully unpack the box and ensure all items are present and in good condition. If any items are missing or damaged, please contact customer support.

- MOES WiFi Smart Water Valve Controller
- Power Adapter (DC 12V)
- Mounting Bracket (x1)
- Screws (x2)
- Rubber Washer (x1)
- Instruction Manual

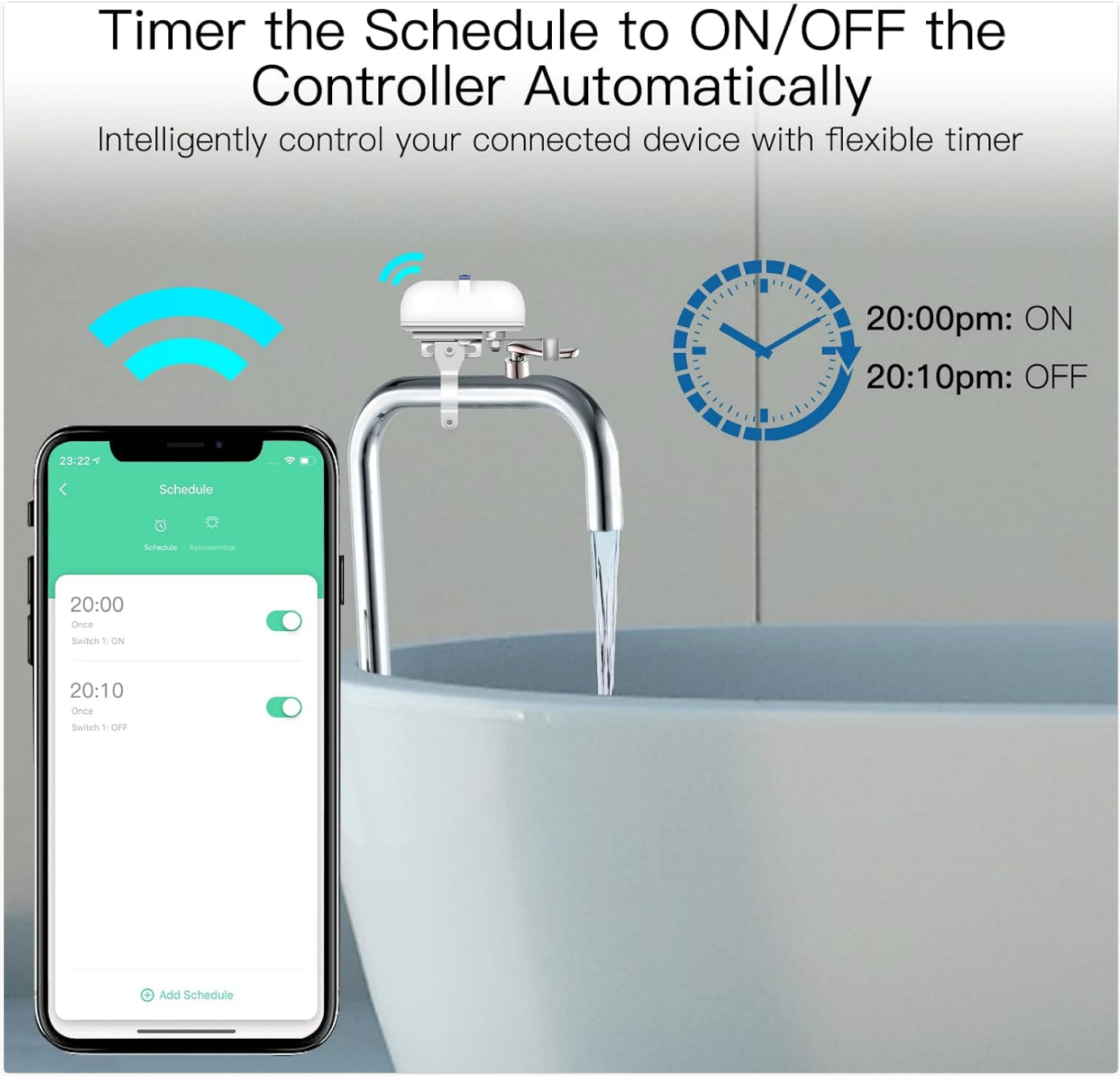


Image 3.1: Components included in the package: the smart valve controller, two screws, one rubber washer, and one mounting bracket.

4. Specifications

Feature	Specification
Brand	MOES
Model	WiFi Smart Water Valve
Mounting Type	Wall Mount
Power Source	DC 12V Adaptor
Voltage	12 Volts
Control Method	App, Voice

Feature	Specification
Product Dimensions	5.94 x 2.64 x 3.15 inches (151mm x 67mm x 80mm)
Item Weight	1.26 pounds
Compatible Valve Type	"One-handed" type valves with a single long handle
Pipe Diameter (Direct Mount)	1 inch - 1.25 inches
Pipe Diameter (with Rubber Gasket)	0.8 inches

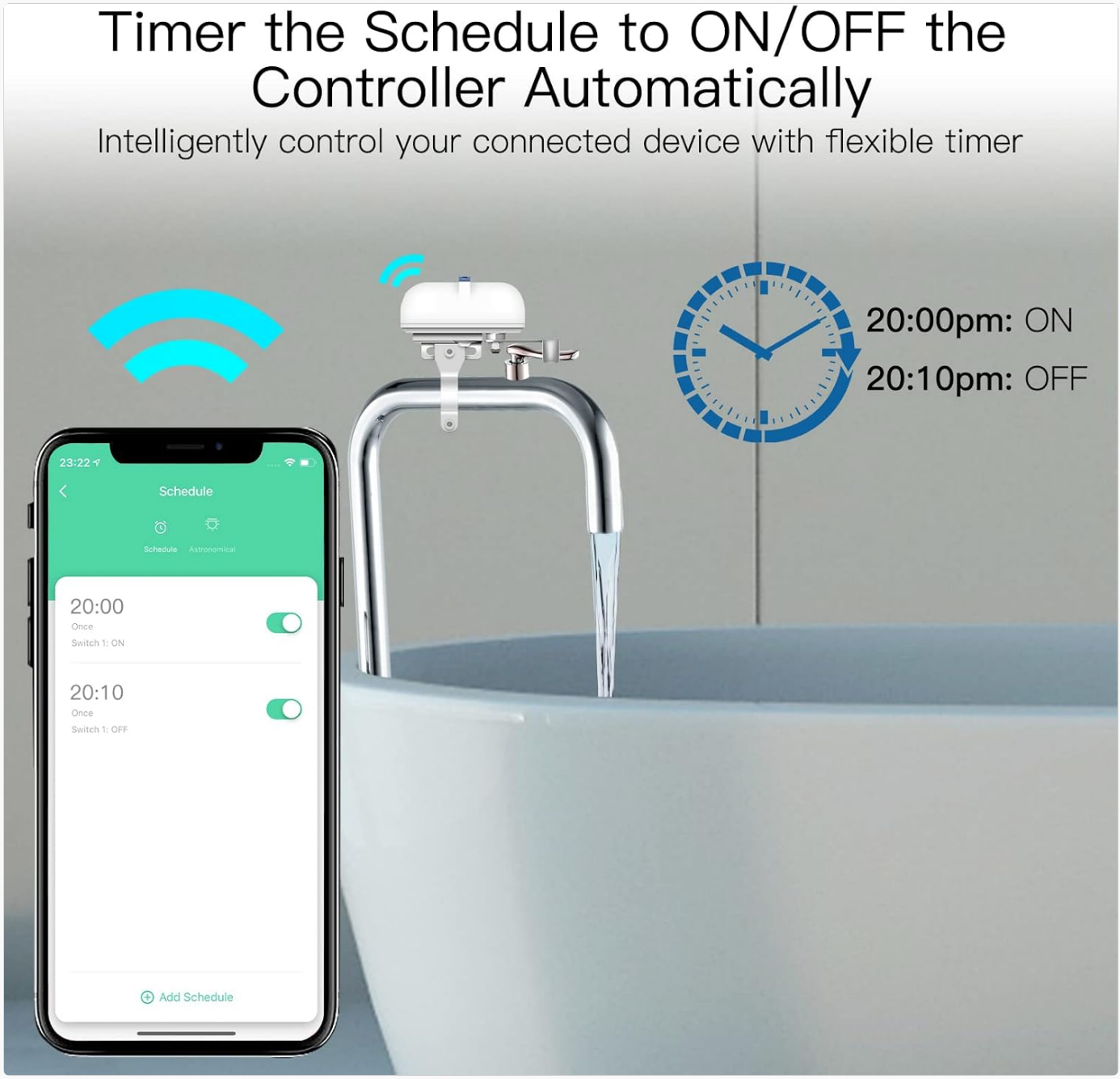


Image 4.1: Detailed dimensions of the smart water valve controller.

5. Setup and Installation

5.1 Physical Installation

Follow these steps to physically install the MOES WiFi Smart Water Valve on your existing valve:

1. **Prepare the Valve:** Ensure you have enough installation space around your existing water or gas valve. The smart valve controller is designed for **"one-handed" type valves** with a single long handle.
2. **Attach Mounting Brackets:** Pre-install the two pieces of the mounting bracket onto the pipe using the M6*30 hexagon machine tapping screws. Do not tighten the screws completely at this stage.
3. **Adjust for Pipe Diameter:** If your pipe diameter is 0.8 inches, insert the rubber washer into the mounting bracket before clamping. For 1-1.25 inch pipes, the rubber washer is not needed.
4. **Position the Controller:** Adjust the position of the intelligent controller relative to the valve. Clamp the rotating arm and the valve handle in place. Ensure the output shaft of the manipulator and the center line of the valve shaft are coaxial for proper operation.
5. **Secure the Installation:** Tighten the two M6*30 hexagon machine tapping screws to firmly secure the controller to the pipe.
6. **Connect Power:** Connect the DC power adapter to the product.



Image 5.1: Visual guide for the physical installation of the smart valve controller.

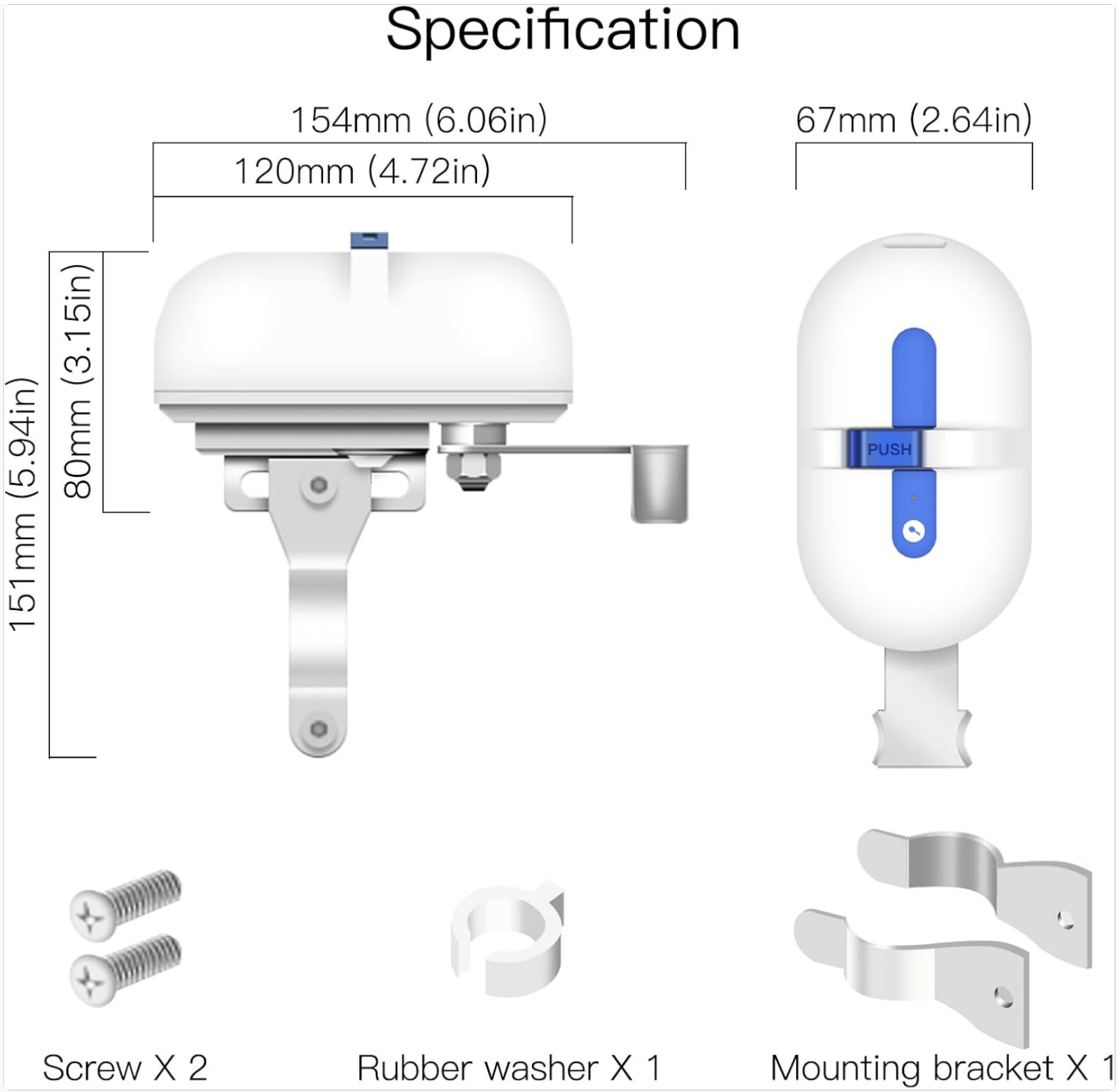


Image 5.2: The valve controller is compatible only with "one-handed" type valves, not with multi-turn or gate valves.

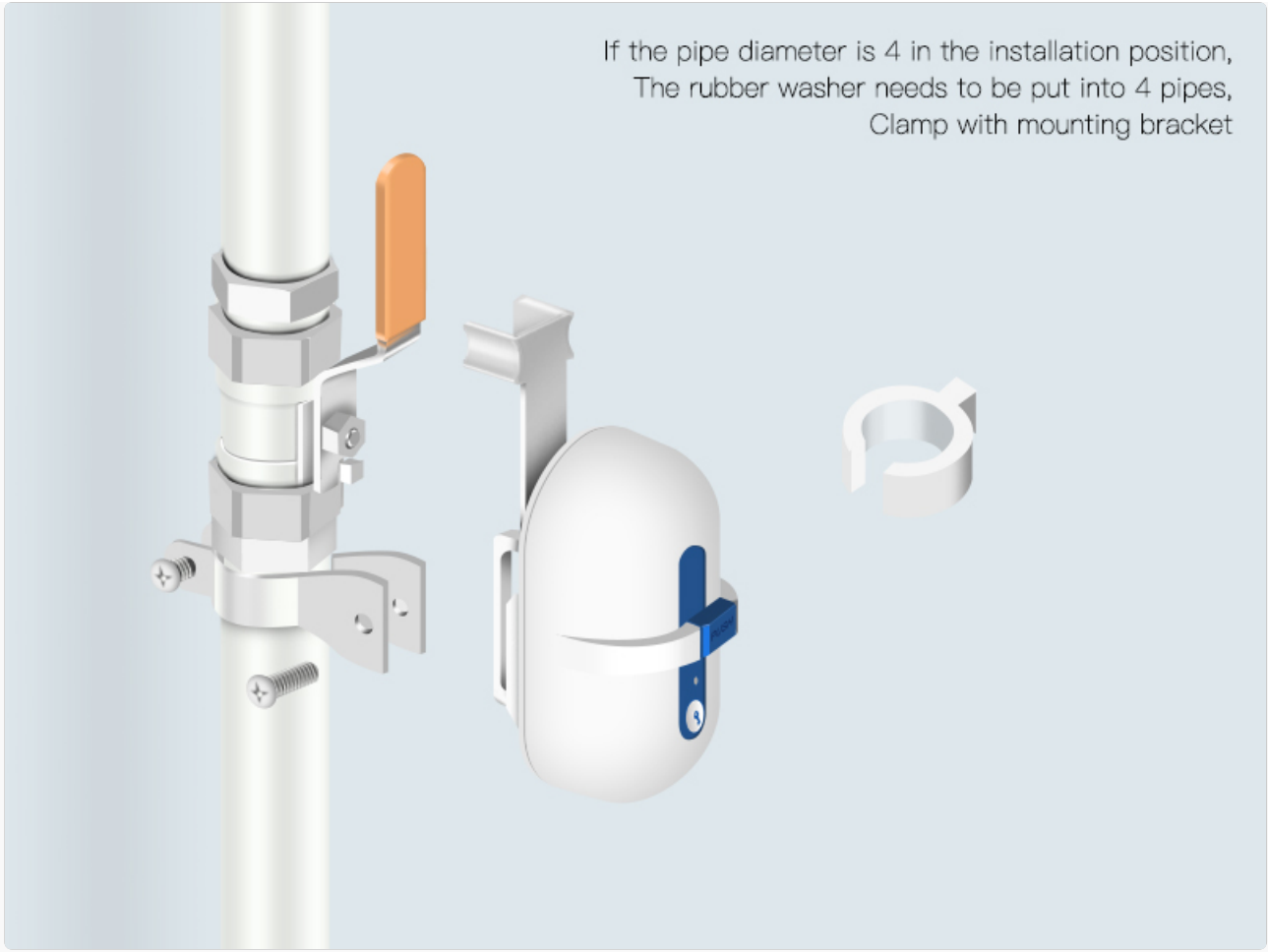


Image 5.3: Use of the rubber washer for pipes with a 0.8-inch diameter.

5.2 App Pairing

To control your smart water valve, you need to pair it with the Tuya Smart Life App.

1. Download the **Tuya Smart Life App** from your smartphone's app store (available for iOS and Android).
2. Register or log in to your account.
3. Ensure your smartphone's Bluetooth is enabled and the smart valve controller is powered on.
4. In the app, tap the "+" icon to add a new device. The app should automatically discover the valve controller.
5. Follow the on-screen prompts to connect the device to your 2.4GHz Wi-Fi network and complete the pairing process.

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Video 5.1: This video demonstrates the process of pairing the MOES WiFi Smart Water Valve with the Tuya Smart Life App, including device discovery and Wi-Fi connection.

6. Operating the Smart Water Valve

6.1 App Control

Once paired, you can control the water valve directly from the Tuya Smart Life App on your smartphone, anytime and anywhere.

- Open the Tuya Smart Life App and select your "WiFi water valve controller" from the device list.
- Tap the power icon to open or close the valve. The app will display the current status (e.g., "The valve is open" or "The valve is close").



Image 6.1: Remote control of the smart valve via the Tuya Smart Life App, useful for tasks like garden irrigation.

6.2 Voice Control

The MOES WiFi Smart Water Valve is compatible with Amazon Alexa and Google Home, allowing for hands-free control.

- Ensure your Alexa or Google Home device is linked to your Tuya Smart Life account.
- Use voice commands such as:
  - "Alexa, turn on WiFi water valve controller."
  - "Alexa, turn off WiFi water valve controller."
  - "Hey Google, open the water valve."
  - "Hey Google, close the water valve."

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Video 6.2: This video demonstrates controlling the MOES WiFi Smart Water Valve using Amazon Alexa voice commands.



Image 6.2: Voice control integration with smart assistants like Alexa for convenient operation.

6.3 Scheduling and Timers

Set up schedules to automatically turn the valve ON/OFF at specific times or based on environmental factors.

- In the Tuya Smart Life App, navigate to the device settings and select "Schedule" or "Timer."
- Create new schedules by setting desired ON/OFF times for specific days. This is ideal for garden sprinklers or other timed water delivery.
- The app also supports **Astronomical Schedules**, allowing you to set the valve to operate at sunrise or sunset.

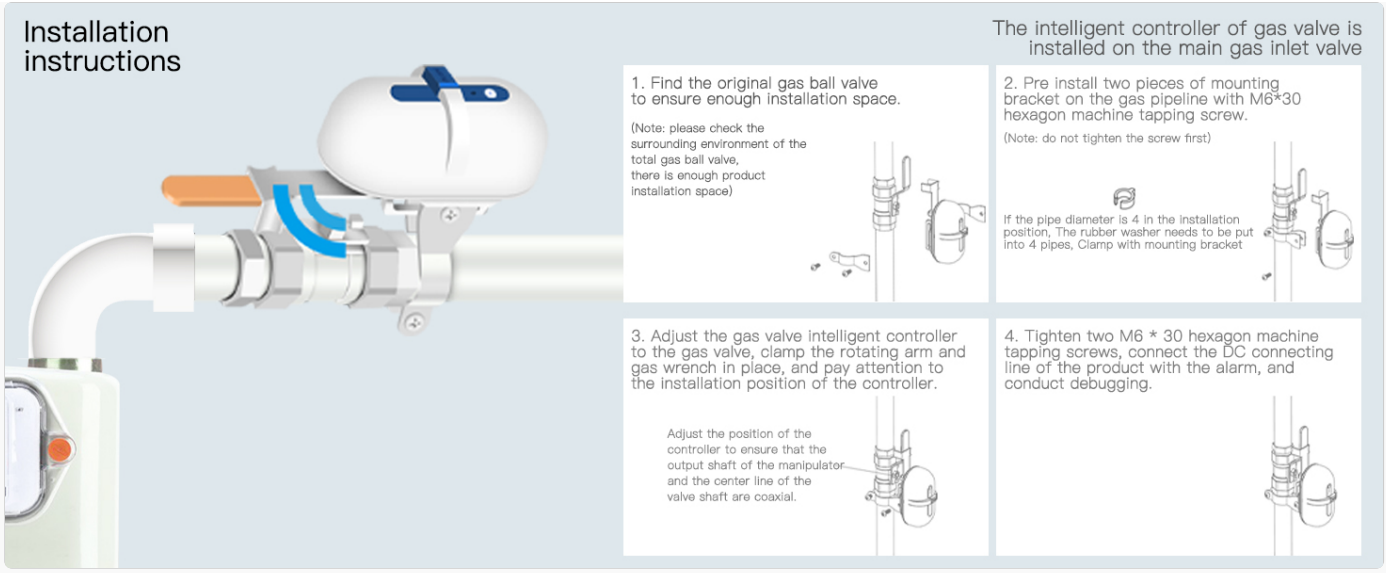


Image 6.3: Setting up astronomical schedules in the app for automated valve operation at sunrise or sunset.

6.4 Smart Automation with Sensors

Enhance your smart home by integrating the water valve with other smart sensors for automated responses.

- **Water Leak Detection:** When a compatible smart water sensor detects a leak, the valve can be configured to automatically close, preventing further water damage. The app will also send an alarm notification.
- **Gas Leak Detection:** Similarly, the valve can be linked with combustible gas alarms to automatically shut off gas supply in case of a leak.



Image 6.4: The smart valve automatically closes upon detection of a water leak by a connected sensor (sensor not included).



Image 6.5: Integration with flood and combustible gas alarms for comprehensive smart automation.

6.5 Manual Override

In case of power outages or if you prefer manual operation, the device includes a push button to unlock the handle. This allows you to manually open or close the valve for your convenience.

7. Maintenance

To ensure the longevity and optimal performance of your MOES WiFi Smart Water Valve, follow these maintenance guidelines:

- **Regular Inspection:** Periodically check the valve and its mounting for any signs of wear, corrosion, or loose connections.
- **Cleaning:** Keep the exterior of the device clean and free from dust and debris. Use a soft, dry cloth for cleaning. Do not use abrasive cleaners or solvents.
- **Environmental Conditions:** Ensure the device is not exposed to extreme temperatures or humidity beyond its

operating specifications.

- **Firmware Updates:** Check the Tuya Smart Life App regularly for any available firmware updates for your device. Updates can improve performance and add new features.

8. Troubleshooting

If you encounter issues with your MOES WiFi Smart Water Valve, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device not connecting to Wi-Fi/App	Incorrect Wi-Fi password, 5GHz Wi-Fi network, device too far from router, Bluetooth not enabled during pairing.	Ensure you are using a 2.4GHz Wi-Fi network. Verify Wi-Fi password. Move the device closer to the router. Enable Bluetooth on your phone during initial pairing. Reset the device and try pairing again.
Valve not opening/closing fully	Improper installation, valve handle too stiff, misalignment of rotating arm.	Check that the device is securely mounted and the rotating arm is properly aligned with the valve handle. Ensure the valve itself operates smoothly manually. Re-tighten mounting screws if necessary.
Voice control not working	Alexa/Google Home not linked to Tuya Smart Life, incorrect device name, internet connectivity issues.	Verify that your Alexa/Google Home account is correctly linked to the Tuya Smart Life App. Check the device name in the app and use that exact name in your voice commands. Ensure both the smart assistant and the valve controller have stable internet connections.
Device offline in App	Loss of Wi-Fi connection, power outage, device malfunction.	Check your Wi-Fi router and internet connection. Ensure the device is powered on. If the issue persists, try restarting the device and re-pairing it with the app.

9. Warranty and Support

For warranty information, technical support, or any questions regarding your MOES WiFi Smart Water Valve, please contact MOES customer service through the retailer where you purchased the product or visit the official MOES website for contact details.

MOES Official Website: Visit the MOES Store on Amazon

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