


# Dongguan SVC01 Smart Valve Controller User Guide

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# Dongguan

**Dongguan SVC01 Smart Valve Controller**



## Product Information

### Specifications

- **Compliance:** Part 15 of the FCC Rules
- **Interference:** Must not cause harmful interference
- **Acceptance:** Must accept any interference received
- **Radiation Exposure:** Complies with FCC radiation exposure limits
- **Minimum Distance:** 20cm between the radiator and the body

### Product Usage Instructions

#### Safety Precautions

Before using the product, please ensure to read and understand the following safety precautions

- Do not make any changes or modifications to the device that are not expressly approved by the party responsible for compliance. Unauthorized modifications may void the user's authority to operate the equipment.
- Keep the device away from water and other liquids to prevent damage and electrical hazards.
- Avoid exposing the device to extreme temperatures, direct sunlight, or high humidity.
- Do not use the device near flammable materials or gases.
- Ensure proper ventilation during operation to prevent overheating.

#### Installation

To install the product, follow these steps

1. Select a suitable location for the device with a minimum distance of 20cm between the radiator and your body.
2. Ensure the device is placed on a stable surface to prevent accidental falls or damage.

3. Connect the necessary cables and power supply according to the provided instructions.
4. Verify that all connections are secure before proceeding.

## **Operation**

To operate the device, please follow these guidelines

1. Ensure the device is powered on and connected to a compatible power source.
2. Refer to the user manual for specific instructions on using the device's features and functions.
3. Handle the device with care and avoid any rough or excessive force.
4. If any issues or malfunctions occur, refer to the troubleshooting section of the user manual or contact customer support for assistance.

## **Maintenance**

To maintain the device's performance and prolong its lifespan, consider the following

- Regularly clean the device using a soft, dry cloth to remove dust and debris.
- Avoid using harsh chemicals or solvents that may damage the device's surface.
- Keep the device away from magnetic fields, strong vibrations, and excessive dust.
- Follow any additional maintenance instructions provided in the user manual.

## **Frequently Asked Questions (FAQ)**

- **Q: Can I modify the device to enhance its performance?**

A: No, any changes or modifications not expressly approved by the party responsible for compliance can void your authority to operate the equipment and may also lead to safety hazards.

- **Q: Is it safe to use the device near my body?**

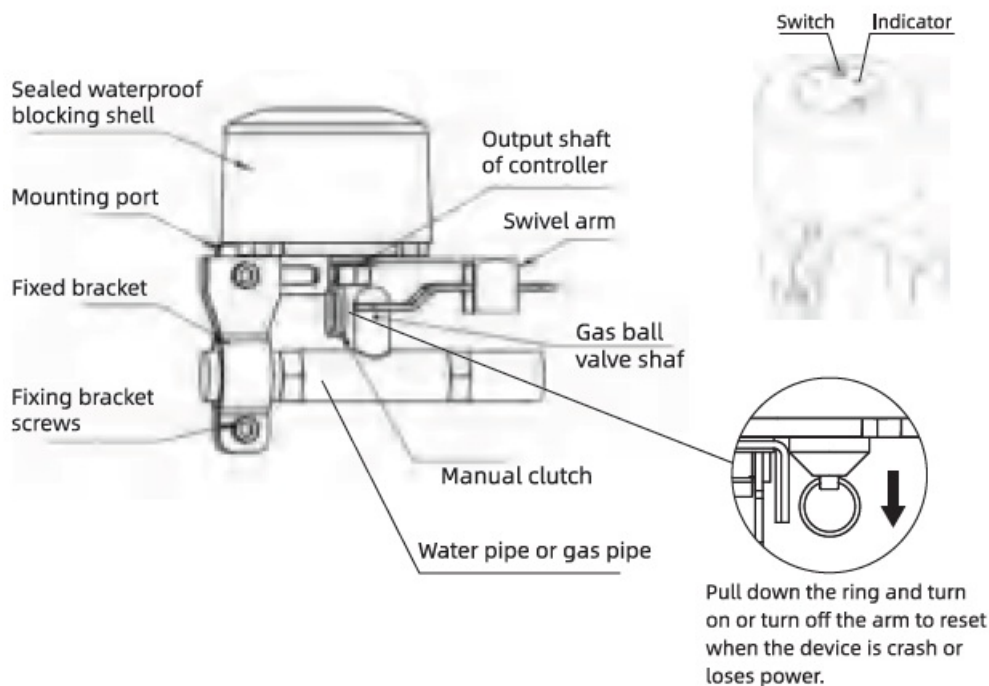
A: The device complies with FCC radiation exposure limits. However, it is recommended to maintain a minimum distance of 20cm between the radiator and your body for added safety.

- **Q: What should I do if the device malfunctions?**

A: If you encounter any issues or malfunctions, refer to the troubleshooting section in the user manual or contact customer support for assistance.

**Smart Valve Controller**  
**User Manual**  
**V2.0**

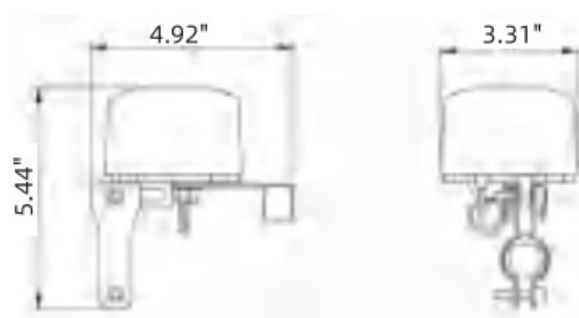
## **Product Structure**



## Product Parameters

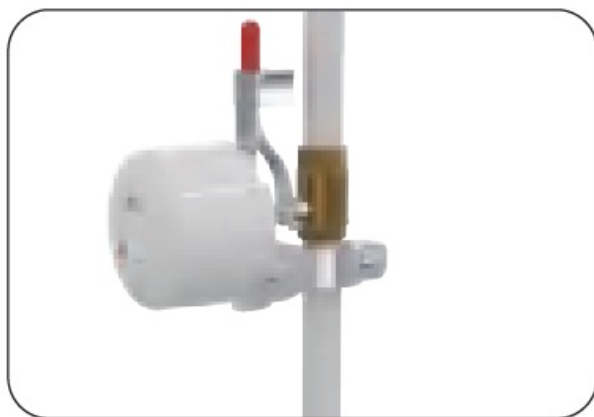
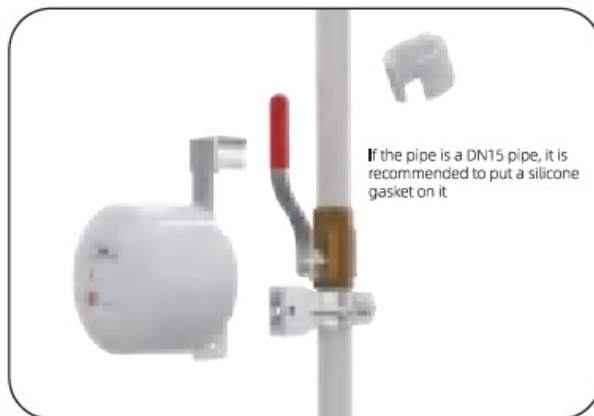
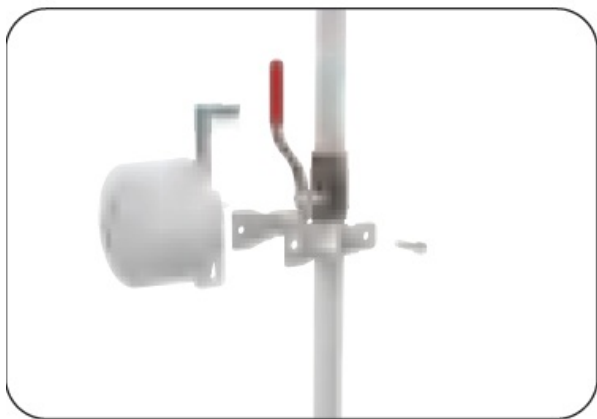
<b>Input Voltage</b>	DC 12V IA	Opening Time:	6~105
<b>working Temperature</b>	-10°C~65°C	Wireless Type:	Wifi + BLE
<b>Working Humidity</b>	<90%	Wifi Standard:	Wifi 802.11 b/g/n 2.4G
<b>Valve Pressure</b>	1.6MPa	Remote Control Distance:	20m (outdoor)
<b>Torque</b>	30~45kg.cm	Valve Specifications:	DN15 DN20
<b>Closing Time</b>	6~10s	Application Valve Type:	handle valve

## size



## Installation (Gas valve as an example)

1. Find a suitable installation location
2. Install the two mounting brackets on the gas pipeline with two M6\* 25 screws (Note: do not tighten the screws first).
3. Adjust the fixed position and put the device arm handle on the gas valve handle.
4. Tighten the screws and test.



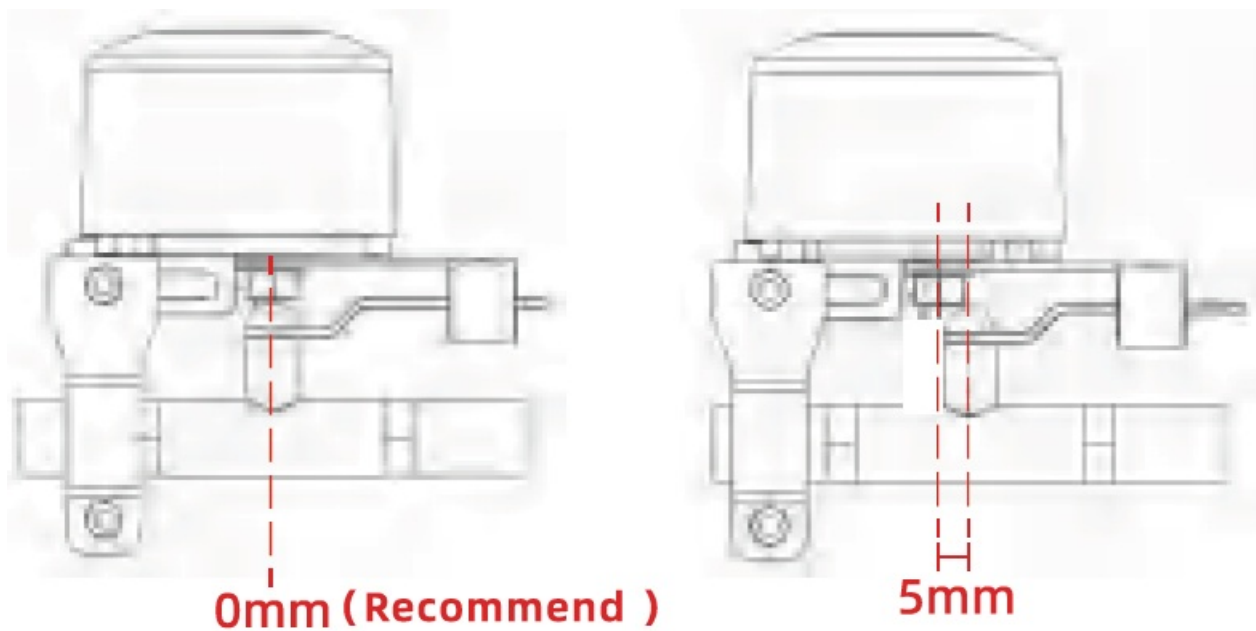
**Note:** The installation method for adjustable bracket versions is similar



adjustable support

### Notice

1. When the pipe is of DN15 type, the silicone gasket can be put on the pipe first, and then the fixing bracket can be installed.
2. During installation, the rotation axis of the smart controller arm should be located about 0~5 mm behind the valve arm rotation axis (as shown as below)



### APP Download

Search “Tuya Smart” or “Smart Life” APP in the app store, download, register and log in. Or scan the QR code below:



### Add Device To The APP

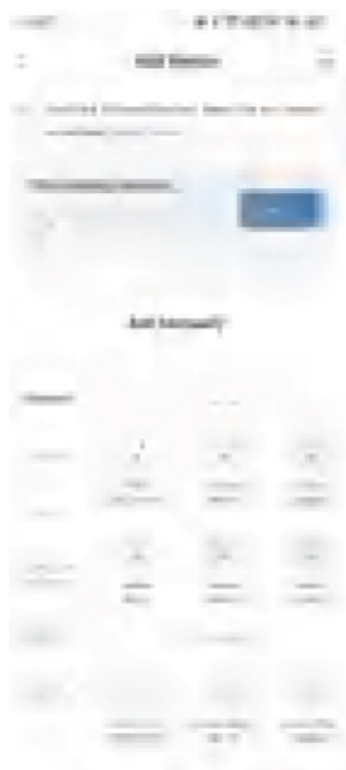
#### Easy Mode

1. Power on the device, turn on the Bluetooth of the smartphone and enter the APP, tap the “+” icon in the upper right corner of the APP, and select “Add Device”
2. At this time, the APP will automatically search and discover the device. If the device is not found, you can press and hold the device switch for more than 5 seconds until the indicator light flashes quickly, that means the reset is successful.
3. Tap the device icon to start network configuration, and follow the steps until the addition is complete.

#### Add Manually

1. Power on the device, press and hold the device switch for more than 5 seconds, until the indicator light flashes quickly.
2. Enter the APP, tap the “+” icon in the upper right corner of the APP, and select “Add Device”.

3. Select “Switch (Wi-Fi)” in the APP device category and go to the next step.
4. Enter the 2.4G band WiFi account and password, the 5G band is not supported, and go to the next step.
5. According to the prompts on the APP, make sure that the device indicator flashes quickly, and then go to the next step. If there is no flash then repeat the first step.
6. Wait and done.

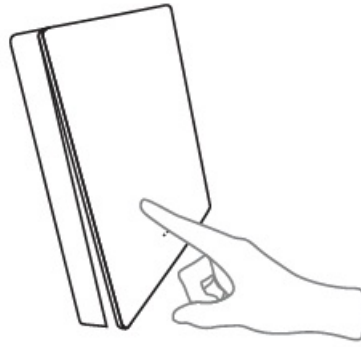
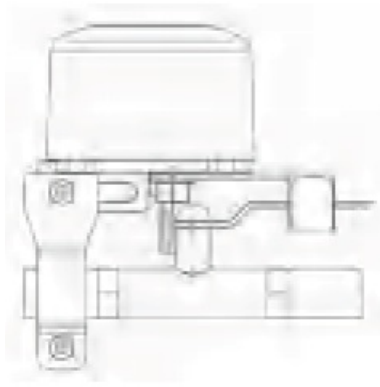


### Notice

1. When configuring the network, please make sure that the device is within the coverage of the WiFi signal.  
When the signal is weak, you can first move the device close to the WiFi router
2. Please be sure to use 2.4G band WiFi for network distribution, 5G band WiFi is not supported

### How To Add A Remote

- **Note:** Before adding a remote control, you must confirm that the device has been added to the APP.
- **Pairing method:** Power off the valve controller and then power it on, press and hold the remote control for more than 5 seconds (not more than 10 seconds) within 2 minutes, and then let go, the valve controller indicator flashes once, and the pairing is successful.
- **Unpairing:** Press and hold the remote control for more than 10 seconds and then let go, the valve controller indicator flashes twice, indicating that the unpairing is successful.



## Packing List

1. Smart valve controller X 1
2. Silicone gasket (optional) X 1
3. Fixed bracket X 1
4. Small wrench X 1
5. DC12V power supply X 1
6. User manual X 1

## FCC Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**Warning:** changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.



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## Documents / Resources

	<a href="#">Dongguan SVC01 Smart Valve Controller</a> [pdf] User Guide SVC01 Smart Valve Controller, SVC01, Smart Valve Controller, Valve Controller, Controller
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## References

- [User Manual](#)