Solo-Valve Upgrade Kit
Quick Starting Guide

1.I/O Controller Introduction

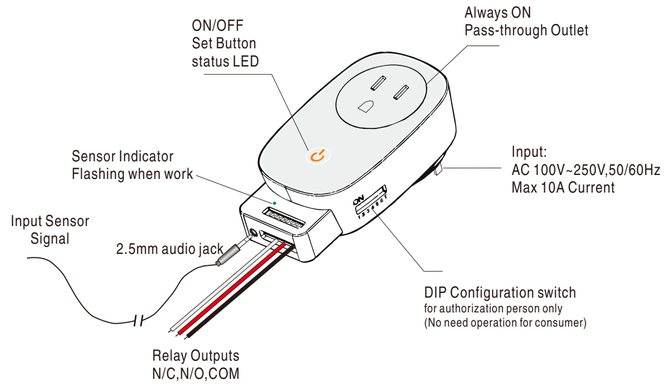
The IO-30W is a reliable and affordable WiFi-controlled I/O module with one relay output. It uses industrial-grade WiFi communication and a high-performance MCU for various modes of operation. It can be connected to a wireless network directly and controlled remotely through a mobile app at no extra cost.

By using the dry contact input signal that the device comes with, remote and real-time monitoring can be achieved, and immediate status change notifications can be obtained via a mobile app. controller is widely used for remote control in industrial sites, household appliances, access control, droppers, valves, gateways, and other places.

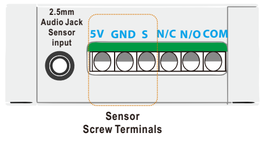
COMPATIBLE WITH
SMART DEVICES

Powered By tuya Intelligence Inside

2.Product I/O knowlege



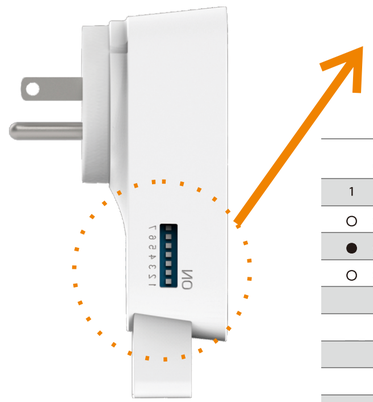
3.Wiring Port Definition

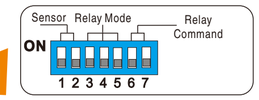


5V	GND	S	N/C	N/O	COM
5V DC	Ground	Sense	Normally Close	Normally Open	Common

- **5 Volts** - Provides 5 Volts @10ma (if needed)
- **Ground** - Used with sense terminal for detecting sensor status
- **Sense** - Used with ground terminal for detecting sensor status
- **Normally Close** - When the controller output relay is closed, its normally closed and common terminals are connected
- **Normally Open** - When the controller output relay is open, its norally open and common terminals are connected
- **Common** - When the controller relay opens and closes, its common terminal will alternate between being connected to its normally open and normally close terminals

4.DIP Setting





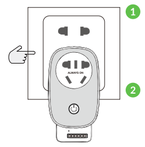
DIP Configuration
Configure I/O controller to work as you want

● ON (switch is ON side)
○ OFF (switch is digits side)

Input Sensor control Relay			Relay Mode (relay open/close time length)				Relay Action Upon On/Off Command		
1	2	Definition	3	4	5	Definition	6	7	Definition
○	○	Disable	●	●	○	2S	●	●	Both ON/OFF open only
●	○	Close=ON, Open=Off	●	○	●	5S	●	○	Off to close, ON to open
○	●	Close=Off, Open=ON	●	○	○	10S	○	●	Off to open, ON to close
			○	●	●	15S	○	○	Both ON/OFF close only
			○	●	○	20S			
			○	○	●	25S			
			○	○	○	30MIN			
			●	●	●	Continuous			

5 Pairing the device with your Wi-fi Hotpot

Plug the I/O controller to a wall-outlet



1) Plug device to wall-outlet and power on automatically with LED light on
2) At the first time power, the device will automatically enter into "pairing" mode with white LED fast blink

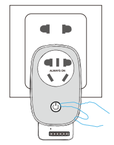
if you use a dry contact sensor to monitoring, you can connect the sensor ground to GND and another side to Signal.
No need worry the connection reverse.

If you use the output relay to control external device, please do the DIP setting before you power them on.

Please refer to the <DIP Setting>

Pairing to wifi Hotpot

After Power on, device automatically enter into "pairing" mode with white LED blink fast(first Time)

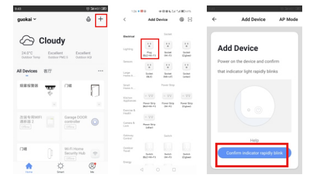


Long Press Power ON/Off Button:
- Unregistered device from cloud(Paired already)
- Reset device to factory setting

Download App and register the account

Scan QR code
Download "Smart life" APP
IOS and Android supported

Open up the app, and click"+" icon on the right top corner and follow the screen alerts to continue



6. Wiring diagram with a Valve Control