

Aqara

Aqara Dual Relay Module T2



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Typical Use Cases

Versatile Solution for Home+ Apple Home and Matter over Bridge Support + Interlock and Motor Control

The Aqara Dual Relay Module T2 is a device that employs Zigbee technology to regulate power, controlling the on and off functions. It is capable of managing a range of devices including motors, garage doors, lights, switches, and sockets in two modes: dry contact and wet contact. This module can elevate the intelligence and potential of traditional equipment. Linked to the Apple Home platform, the device can be seamlessly operated via the Apple Home app. Additionally, it is broadly compatible with various third-party platforms. With a hub, features such as app-based remote control, timing control, and power statistics can be implemented.

Versatile Solution for Home

- Dry Contact Mode: Garage Door, Rolling Gates, Boilers, Arm Barrier, etc.
- Wet Contact Mode: Switch, Light, Roller Shade, etc.

Apple Home and Matter over Bridge Support**

- Apple Home
- Matter over Zigbee Bridge
- Google Home
- Amazon Alexa

Interlock and Motor Control

- Bidirectional Motors: Control Tubular motors
- As a Roller Shade Switch

Energy Monitoring and Power Memory

- Power On/Off State Memory
- Power Monitoring and Automation

Enhanced Safety and Security

- Overheat
- Overload
- Power Limit

Wireless Switch Mode







- As "IF" in Scenes Automation
- Works with Wired Sensor
- Works with Existing Wall Switch

Easy to Use and Installation

- Supports the Majority of EU Wall Boxes
- DIN Rail Mount Included
- Control 2 Lights with 1 Device

*The selling points are ranked based on their priorities.

**Apple Home, Google, Alexa, and Matter are neither natively supported, they are supported over Zigbee bridge.

Products	Aqara T2	Bosch Light/shutter control II	Fibaro Smart Implant	Fibaro Double Smart Module FGS-224	Shelly Plus 2PM	Shelly Plus 1	SONOFF DUAL R3
Pics							
MSRP	€ 34.99	€74.95	€48.67	€64.91	€30.23	€18	€26.59
Protocol	Zigbee	Zigbee	Z-Wave	Z-Wave	Wi-Fi, Bluetooth	Wi-Fi, Bluetooth	Wi-Fi, Bluetooth
Size Fits EU box	45.5 × 48 × 24 mm Yes	47 × 40 × 22 mm Yes	29 x 18 x 13 mm Yes	42.5 × 38 x 20 Yes	42 x 38 x 17 mm Yes	41×36 x 16 mm Yes	54 x 49 x 24 mm No
Support Dry Contact	✓	✓	✓	✗	✗	✗	✗
Support HomeKit (Over Zigbee Bridge)	✓	✓	✗	✗	✗	✗	✗
Support Matter(Over Bridge)	✓	✓(planning)	✗	✗	✓(Native Matter Support in the future.)	✓(Native Matter Support in the future.)	✗
Interlock (Roller Shade Control)	✓	✓	✗	✓	✓	/	✓
DIN Rail Mount	✓	✗	✗	✗	✓	(Separately)	✗
AC & DC Power	✓	✗	✓	✓	✓	✓	✗
Power Monitoring	✓	✓	✗	✓	✓	✗	✓
Inputs	110-240V AC 24-240V DC	230V AC	9-30V DC	110-240V AC 24-30V DC	110-240V AC 24V DC	110-240V AC 24-240V DC	100-240V AC
Outputs	10A / 10A Σ	3A / 6A Σ	N/A	6.5A / 10A Σ	10A / 16-18A Σ	16A	10A / 15A Σ



Wet and Dry Contact: Unleash the potential of your existing devices.

Automatic control of roller blinds, curtain motors, garage doors, awnings, gates, electric sliding doors, pool covers, and two-way AC motors is now possible. By repurposing existing equipment in your home, you can seamlessly achieve enhanced vitality and intelligence. The retrofitting of old equipment no longer needs to be a costly and time-consuming process. Modernizing traditional equipment can pave the way to a new smart living experience.



Apple Home, Matter*. Embrace greater possibilities with third-party platforms.

The T2 can interface with multiple platforms(standard), including Apple Home, Matter, Google Home, and Amazon Alexa, without being confined to a single system. When a user's traditional device is integrated with the T2, it is transformed into a smart device and can adapt to numerous third-party systems. Additionally, it automates the setup process and connects seamlessly with other compatible products.



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One device, multiple use scenarios.

Users Benefit: The T2 can be used in plenty of different ways. For instance, it can be put in lights on the ceiling to make them smarter, or in regular wall switches and sockets, so you can control them from far away. Also used for automation controlling of devices such as coffee machines and air fresheners, it is widely used in homes with electric heaters, roller blinds, and garage roller doors.



Reasons to Believe: Due to the wet and dry contact mode, the T2 can be used in a wide range of home power modes. The wet mode is designed with 10A current to control multiple devices. The dry contact mode employs a normally open/closed pulse signal to guarantee that the on/off signal can be utilized for dry contact devices such as motors, garage doors, roller shutters, boilers, and other similar devices.

Full compatibility: App and voice controls.

User Benefits: Once your traditional devices are equipped with T2, they can be controlled and interconnected through third-party platforms, allowing for wider applications. For example, lights or security systems available on these platforms can be controlled directly. Integration with voice speakers like Alexa, Siri, Google Assistant, etc., enables you to control lights using voice commands.

Reasons to Believe: Upon connecting the T2 to a compatible Aqara Zigbee 3.0 hub, it supports major smart home ecosystems like Apple Home, Matter, Google Home, Alexa, and more. The Dual Relay Module T2, based on the Zigbee protocol, functions as a repeater, thereby strengthening your Zigbee network.



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One step forward. Automated roller shutter & windows shades.



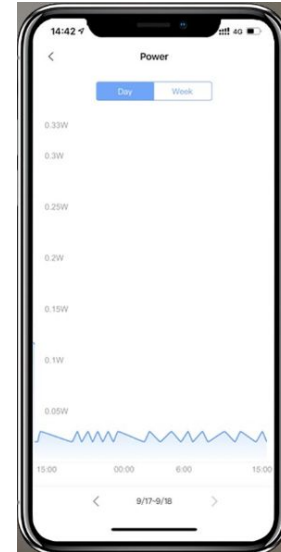
Users Benefit: Say goodbye to the jarring sounds of your alarm clock. Experience a new level of convenience by integrating the Aqara T2 with your curtain motor, allowing your curtains to harmonize with your lifestyle. Awaken gently to the morning sunshine, starting your day off right. Imagine your curtains automatically opening fully at 8 a.m., partially closing at 10 a.m., and finally closing completely at noon. It's the dawn of a simple, comfortable, and intelligent lifestyle.

Reasons to Believe: Users can easily and safely connect the Dual Relay Module T2 to bidirectional motors. The T2 can now be used to control tubular motors, serve as a roller shade switch, and even act as the core of your smart home system.

Preserving last power state: Save on electricity bills.

User Benefits: In the event of an unexpected power outage at home, the switch state is automatically restored to its pre-outage state when power is resumed. The T2 comes equipped with a power cut memory function, enabling easy reset of device automation, thus easing concerns regarding sudden power cuts or device resets. T2 also features a calculation and display mode based on electricity consumption, which is beneficial in optimizing electricity usage and costs, particularly for the stepped tariff model. It also allows you to monitor the real-time power and historical consumption of your appliances.

Reasons to Believe: The Dual Relay Module T2 has a power on/off state memory function that lets it remember the last power state of connected devices. This feature ensures that the device will automatically return to its previous state after a power failure. It also has power metering and power statistics features.



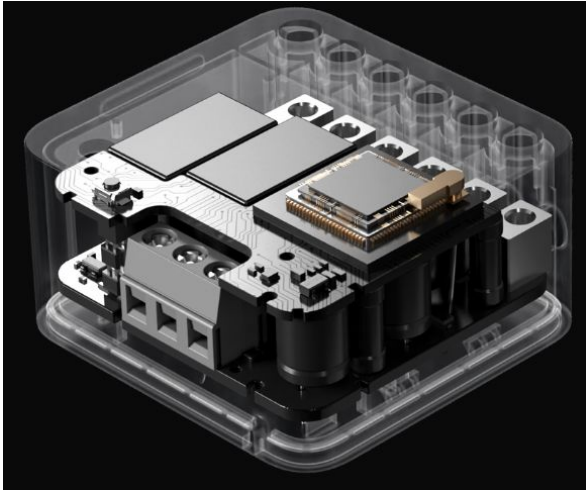


Safety is fundamental.

Users Benefit: Safety is always a priority when it comes to DIY electrical equipment. We account for complex installation and use scenarios and, most importantly, user safety. Users can adjust the maximum and minimum voltage, current, and power values. If the device enters an abnormal working state, the power supply is automatically switched off for safety reasons.

Reasons to Believe: The device supports over-zero voltage protection, which can eliminate the high current shock when the electrical equipment is instantly powered on, thereby ensuring the reliability and longevity of the equipment. It also includes overheat and overload protection. When the equipment temperature is abnormal, or the power exceeds 2500W, the device automatically powers off to ensure electrical safety.

** Disclaimer: the installation of T2 is intended for users who are familiar with electrical installation. We always advise you to contact a professional electrician and only use these instructions as a reference.*



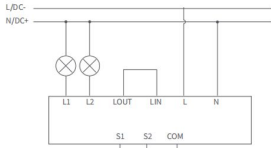
Turn wired control into wireless.

User Benefits: One can effortlessly convert wired control into wireless control by incorporating T2 into a wired-powered switch. For example, a wired switch to control indoor ringing, a home-made doorbell. Or turn a traditional switch into a wireless smart light that can be remotely controlled. Alternatively, you can connect one or two binary sensors instead, and use the T2 in automations.

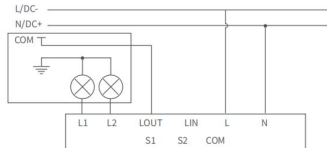
Reasons to Believe: The convert to wireless switch mode is also supported. Thanks to this feature, the existing wall switch will be able to be converted into a scene controller: arm or disarm the security system, control the curtains or lights just using your old wired switch.



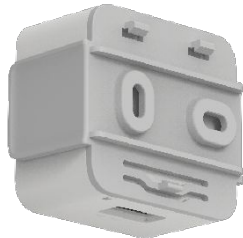
*Please note: the sensor or a switch connected to S1/S2/COM contacts should support the voltage that is supplied to the Relay.



Wet Contact



Dry Contact



Selling Point 7: Easy to Use and Installation

Makes it as simple as possible.

Users Benefit: It is possible to build a whole-house energy monitoring system that will turn off the power in case of a water leak or smoke. The module is designed to fit into round EU wall boxes***, which allows it to be used as a light or roller shade switch or even behind a wall outlet.

Reasons to Believe: The relay's DIN rail-mounted design makes it easy to stick it in electrical cabinets and other tight spots. Its compact size makes it even more suitable for other wall boxes, including the 86 mm and US-standard ones.

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*** Please note: the T2 supports the maximum current of 10A.*

**** A wall box with a depth of about 60 mm is recommended. In case the existing wall box is not deep enough, you can try to use a Wireless Remote Switch H1 or a surface-mounted or ultra-thin wall switch to control the Relay.*

Scene 1: Behind the switch: 1–2 channels on/off.

User pain point – The majority of control module products on the market are a single channel and therefore have a variety of installation and usage limitations in their application.

Scene explanation – T2 allows you to control two different channels and monitor their consumption separately. This allows you to control two different lights on the same phase with just one device, saving additional energy and reducing your wiring footprint. Use manual switches, apps, preferred home automation systems, or your voice, for multiple automation applications and controls.

Scene 3: Smart roller shade switch.

User Needs – Making the traditional curtain motor control in the user's home smart. Now there is no need to spend a fortune on a new smart curtain motor. Simply add T2 to your current curtain motor and the control becomes more interesting and versatile and truly adapts to your usage habits.

Scene explanation – Utilize the 'Schedule' function to craft your ideal morning or evening routine, allowing the Aqara T2 to automatically open or close your home's curtains at predefined times each day. Enjoy precise control over the curtain position, enabling you to set the perfect point for your curtains. Additionally, if you find yourself in a hurry and forget to close your living room curtains, you can conveniently use the app to close them remotely from anywhere.

Scene 2: General dry contact, “any button”.

User Pain Point – Relay modules suitable for dry contact are rare. This means that it is not available on some commonly used devices such as your garage roller door, boiler, coffee machine, air freshener etc.

Scene explanation – Make any device with button smart, e.g., coffee machine, air freshener, garage roller shutters, boilers, etc. Now, any wired button of some non-smart device has an easy way to be integrated with the relay. Then these devices can be controlled intelligently, such as remotely via an app, or linked to other smart devices, creating richer and more relevant scenarios for your usage habits.

Scene 4: Combines T2 with other Aqara devices.

User Needs – The existing equipment and application scenarios of Aqara are diverse. However, there are still limitations when it comes to some devices, such as boiler heaters and garage roller door controls. The use of T2 now means that it is possible to broaden the scenarios in which Aqara can be used, making Aqara devices truly useful for all aspects of your life. This is a case that is extremely attractive to regular Aqara users.

Scene explanation – Automatically open the garage roller door when the door and window sensor senses the front door of your home open. Or when the Aqara motion sensor senses someone entering the bathroom, it automatically turns on the air freshener.

1	Heading	Garage door controller
	IF-THEN	IF You arrive within 500 meters from your home THEN Open the garage door
	Description	Thanks to the dry-contact mode, the Relay T2 can be used to make your existing garage door smart*. Just wire the garage door opener, and you will be able to use the garage door in automations as well as expose it to third-party systems. And, the Relay will act as a repeater for your Aqara Door and Window sensor so that you won't need to worry about the weak signal. *The garage door opener should be able to be controlled using dry contacts.
	Devices	Dual Relay T2 + Hub + Door and Window Sensor

2	Heading	Save energy by using the T2 to control the boilers
	IF-THEN	IF All the Radiator Thermostats are off THEN Turn off the boiler
	Description	If your boiler can be controlled by dry contacts, you will be able to use the Relay T2 to make it smart. As a result, you will be able to control it remotely, and save energy by linking it with the Radiator Thermostats using Aqara Home or third-party automations.
	Devices	Dual Relay T2 + Hub + Radiator Thermostat E1

3	Heading	Install it Behind Wall Switches and Outlets
	IF-THEN	IF Presence is detected THEN Turn on a light switch or a heater connected to the outlet
	Description	Just install the T2 behind your existing wall switch or outlet, and you will be able to convert it into a smart one. As a result, the existing outlets and switches will be able to participate in automations, and get the power consumption statistic function.
	Devices	Dual Relay T2 + Hub + Presence Sensor FP2



Thank You

