

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

[manuals.plus](#) /

> [Aqara](#) /

> [Aqara Dual Relay Module T2 with Matter, Requires Aqara Zigbee 3.0 HUB, Not Support Third Party Hubs, Dry Contact Mode for Garage Doors and Boilers & Roller Shade Switch, Supports Homekit and Alexa](#)

Aqara DCM-K01

Aqara Dual Relay Module T2 Instruction Manual

Model: DCM-K01

Brand: Aqara

PRODUCT OVERVIEW

The Aqara Dual Relay Module T2 is a versatile smart home device designed to integrate various electrical appliances into your smart home ecosystem. It supports both Homekit and Matter (with a compatible Aqara hub), allowing seamless integration with popular platforms like Apple HomeKit, Alexa, and IFTTT.

- **Homekit and Matter Support:** Compatible with mainstream ecosystems via an Aqara Zigbee 3.0 hub (excluding Camera Hub G2H or third-party hubs).
- **Proximity:** For stable connection, ensure the module is within 400 inches of the Aqara Zigbee hub, and the hub is within the same range from the Wi-Fi router.
- **Dry Contact Mode:** Supports dry (potential-free) contact mode with pulse and on-off switching for devices like boilers and garage doors. Neutral wire is required.
- **Wireless Switch Mode & Interlock for Motor Control:** Offers control of tubular motors and can function as a roller shade switch. Can also convert existing wall switches into scene controllers.
- **Energy Saving & Power off Memory:** Features advanced energy monitoring (in wet contact mode) and ultra-low idle power consumption. Retains last state after power interruptions.
- **Electrical Safety & Flexible Installation:** Includes overheat protection, overload protection, and a customizable power limit. Can be installed near lights, behind switches, or wall outlets, and includes a DIN rail mount.



Figure 1: Aqara Dual Relay Module T2 with its retail packaging.

WHAT'S IN THE BOX

- Dual Relay Module T2

SPECIFICATIONS

Specification	Value
Product Dimensions	1.79 x 1.89 x 0.94 inches; 2.11 ounces
Item model number	DCM-K01
Manufacturer	Lumi United Technology Co., Ltd.

Connector Type	Terminal Block
Contact Type	Normally Open Or Normally Closed
Mounting Type	din_rail
Operation Mode	Automatic

SETUP

The Aqara Dual Relay Module T2 requires an Aqara Zigbee 3.0 hub for full functionality and integration into smart home ecosystems. Ensure your hub's firmware is up to date.

Recommended maximum distance between the Dual Relay Module T2, hub and Wi-Fi router



Figure 2: Recommended maximum distance for device connectivity.

For a sturdy connection, the module should be within 400 inches of the Aqara Zigbee hub, and the hub within the same range from the Wi-Fi router. Both the hub and router must be on the same local area network (LAN).

Merging Compatibility with Matter



* Aqara Zigbee 3.0 hub is required (excluding Camera G2H), and a Matter-compatible Aqara hub is required for Matter support.
** Home Assistant is supported via Aqara hub using HomeKit Controller and Matter integrations.
*** Please note: Convert to Wireless Switch mode, Energy Monitoring and Power Automations are only available on Aqara Home app and are not exposed to third-party ecosystems.

Figure 3: Compatibility with various smart home platforms.

Installation Video Guide

Video 1: Official installation guide for the Aqara Dual Relay Module T2. This video demonstrates the wiring process and initial setup steps for integrating the module into your smart home system.

OPERATING MODES

Dry Contact Mode

The Dual Relay Module T2 supports dry contact mode, also known as potential-free contact mode. This allows it to integrate with a wide variety of electrical devices that require a simple pulse or on-off signal, such as garage doors, boilers, and traditional light switches. A neutral wire is required for this mode.

Wet Contact Mode

In wet contact mode, the module directly controls the power supply to the connected device. This mode is suitable for applications like smart roller shades and light switches where the module acts as an inline switch.

Dry/Wet Contact Mode



* When controlling the garage door, ensure that there is no risk of jamming a person.
** To use the T2 as a Roller Shade Switch, the Interlock mode should be strictly enabled.

Figure 4: Dry Contact and Wet Contact Mode applications.

Energy Monitoring & Power off Memory

The T2 module integrates advanced energy monitoring capabilities, allowing you to track and manage the power consumption of connected devices. This feature is available only in wet contact mode. The power-off memory function ensures that the module retains its last state (on/off) even after power interruptions, providing consistent operation.

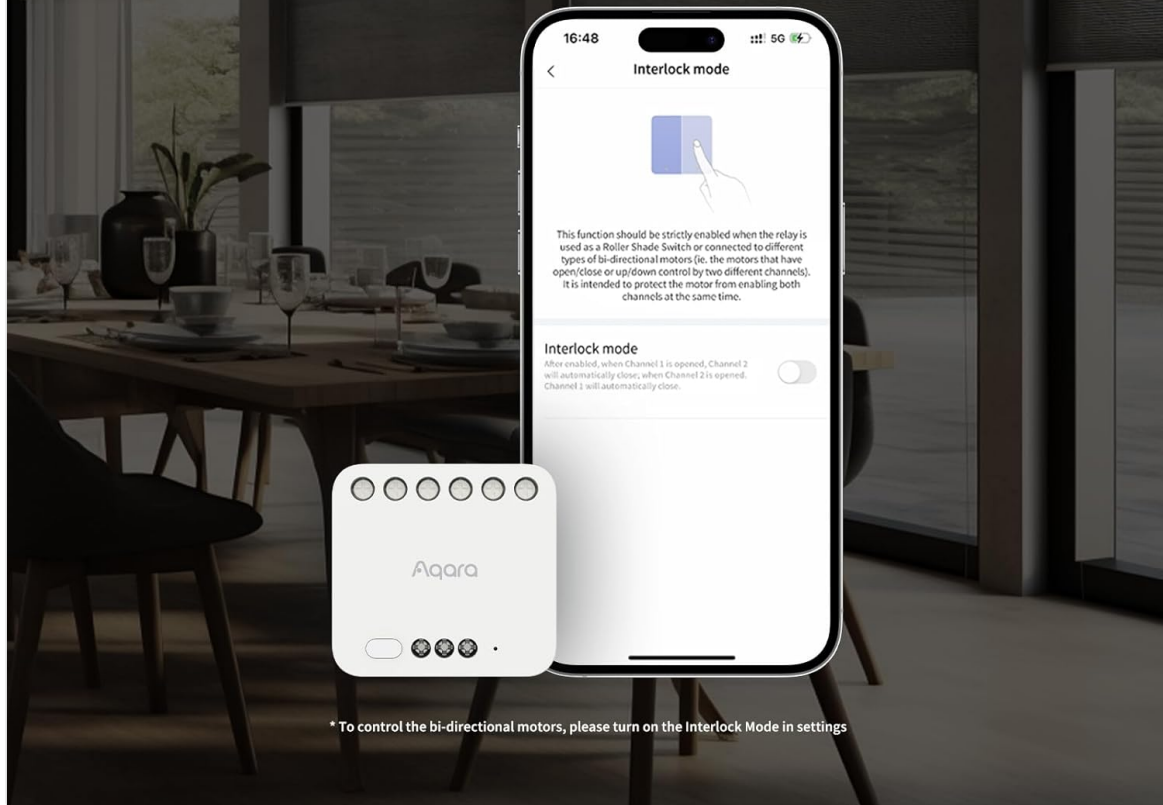


Figure 5: Energy Monitoring and Power Off Memory features in the Aqara Home app.

Wireless Switch Mode & Interlock for Motor Control

The Wireless Switch Mode allows the T2 to convert an existing wall switch into a scene controller without requiring any wiring changes to the switch itself. For motor control, the interlock mode ensures that only one channel is active at a time, preventing damage to tubular motors used in roller shades or similar applications.

Interlock Mode for Motors



* To control the bi-directional motors, please turn on the Interlock Mode in settings

Figure 6: Interlock Mode setting for motors.

INSTALLATION GUIDELINES

The T2 module is designed for flexible installation in various locations, including behind existing switches or within wall outlets. It comes with a DIN rail mount for easy integration into electrical panels.

Flexible Installation



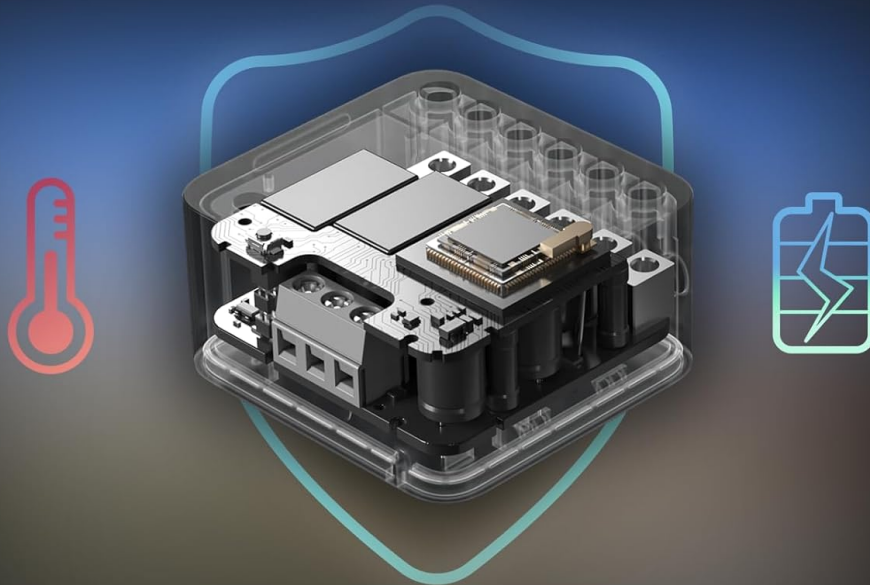
* A wall box with a depth of about 60 mm is recommended. In case the existing wall box is not deep enough, you can try to use a surface-mounted or ultra-thin wall switch to control the Relay
** The T2 is compatible with AC or >24V DC power

Figure 7: Flexible installation options and dimensions.

Electrical Safety

The T2 module is equipped with multiple safety features to protect your home and the device itself. These include overheat protection, overload protection, and a customizable power limit. If consumption exceeds the specified settings, the device will automatically shut off.

Overheat and Overload Protection



* The installation of T2 is intended for users who are familiar with electrical installation. Advise that you contact a professional electrician and only use these instructions as a reference.

Figure 8: Overheat and Overload Protection.

Caution: Installation of the T2 is intended for users familiar with electrical installations. It is advised to contact a professional electrician and use these instructions as a reference only.

MAINTENANCE

To ensure optimal performance and longevity of your Aqara Dual Relay Module T2, regularly check all wiring connections to ensure they are secure. Avoid exposing the device to extreme temperatures or humidity. Keep the module clean and free from dust buildup. If the Zigbee antenna is exposed, handle it carefully to prevent damage.

TROUBLESHOOTING

- **Device not responding:** Ensure the module is within 400 inches of the Aqara Zigbee hub and the hub is within range of your Wi-Fi router. Verify that the hub and router are on the same LAN.
- **Dry Contact Mode issues:** Confirm that a neutral wire is properly connected to the module.

- **Motor control problems:** Ensure 'Interlock mode' is enabled in the Aqara Home app settings for tubular motors to prevent conflicting signals.
- **Power-off memory not working:** Verify that the energy monitoring feature is enabled and the module is in wet contact mode.
- **Overheat/Overload shutdowns:** Check the connected load to ensure it does not exceed the module's customizable power limit. Reduce the load if necessary.
- **Installation in tight spaces:** The module's dimensions (1.80 × 1.89 × 0.95 inch) might make it challenging to fit in standard junction boxes. Consult local electrical codes and consider professional installation if unsure.

WARRANTY & SUPPORT

The Aqara Dual Relay Module T2 (Model: DCM-K01) is manufactured by Lumi United Technology Co., Ltd. For warranty information and customer support, please refer to the official Aqara website or contact their customer service directly. Keep your purchase receipt for warranty claims.