TILOLI
ALTYOR GROUP

Aqara

DIMMER SWITCH H2 EU

Matter-compatible dimmer with seamless control and energy consumption monitoring

REF : AQ-KD-R01D-G

EAN : 6975833357284

EXISTS IN : GREY

DESCRIPTION :

A multi-function dimmer switch with a rotary dial designed for ultimate compatibility and convenience, supporting both Zigbee and Matter over Thread protocols for seamless integration with third-party ecosystems. It can work with or without a neutral wire. It is compatible with various lamps, including incandescent, halogen, dimmable LEDs and CFLs. Users can switch dimming modes according to load types to achieve optimal dimming and maintain stable operation of the equipment. Remote control, scheduling, power monitoring and other functions can be achieved through the application.

STRENGTHS :

Thread and Zigbee Support for Seamless Integration: Compatible with both Thread (via Matter over Thread) and Zigbee. This allows easy connection with third-party ecosystems using Matter, while offering advanced features through the Aqara Home app for users with an Aqara hub. Thread enables smooth integration with Matter-based systems, while Zigbee, combined with an Aqara hub, gives access to full features like Decoupled Switch Mode, power monitoring, dimming adjustment, and more.

2-in-1 Neutral Support for Hassle-Free Installation: Designed for easy and flexible installation. Whether your electrical setup includes a neutral wire or not, it adapts perfectly without requiring any rewiring, greatly simplifying the installation process. In no-neutral setups, it uses a minimal standby current from the live wire to ensure proper operation. In neutral setups, it enables advanced functions such as energy monitoring and overload protection.

Multi-Functional Dial for Precise Dimming: In addition to basic on/off functions, the multi-functional dial allows precise dimming from 1 to 100%, letting users adjust the lighting to fit the desired atmosphere. By default, the on/off transition time is 1.5 seconds, offering a soft start to prevent discomfort caused by sudden brightness changes. This delay can be customized. The dial offers several settings to match fine-tuned dimming needs. Users can adjust transition times from 0 to 10 seconds and change brightness by simply rotating the dial. In Zigbee mode, the Aqara Home app provides three levels of dial sensitivity for a smooth and personalized experience.

Wide Compatibility with Various Light Types: This dimmer switch is compatible with many types of bulbs, including incandescent, halogen, CFL, and dimmable LED. The default trailing edge dimming mode ensures better adaptation to different lighting technologies while offering a smoother and more stable dimming experience. This mode maximizes compatibility and ensures reliable operation regardless of the type of light source used.

Universal 55 mm Frame Compatibility: The 55 mm format is widely used across the European market, ensuring compatibility with existing infrastructures and products. This standardized design avoids specific adjustments or complex modifications, making integration seamless with current systems. The product is compatible with all standard System 55 modular systems (55 mm x 55 mm) and can be easily installed without an electrician. It also supports popular third-party multi-gang frames like Gira 55 and Schneider Merten M, offering greater flexibility and simplicity.

Power Consumption Monitoring for Energy Efficiency: With a neutral wire setup, the switch can automatically monitor the connected device's power consumption and generate daily, weekly, or monthly reports. This helps users optimize energy usage over time. In neutral setups, it displays real-time power consumption with detailed reports. In no-neutral setups, users can manually input the rated power of the connected device to enable basic monitoring even without direct measurement.

Custom Brightness Limits and Preconfigured Scenes: The Aqara Home app allows users to adjust the dimming range to prevent flickering or power loss, improving lighting performance. It also offers three default scenes with further customization options for easier control. Maximum brightness ensures stable performance at full intensity, while minimum brightness prevents issues at low levels. The built-in scenes — Moon (1%), Rest (60%), and Bright (100%) — can all be modified directly in the app according to user preferences.

CHARACTERISTICS :

- Product Dimensions : 86 × 86 × 55.45 mm (3.39 × 3.39 × 2.18 in.)
- Operating Temperature : 0 °C ~ 40 °C (32 °F ~ 104 °F)
- Operating Humidity : 0 ~ 95% RH, no condensation
- Electrical Rating : 220-240VAC, 50/60Hz
- Minimum Power : 4W (Aqara Home via Matter), 9W (other methods), general purpose
- Rated Load : Incandescent/Halogen ≤ 300W, Dimmable LED/CFL ≤ 200W
- Rated Type : Incandescent, Halogen, LED, CFL
- Wireless Protocols : Thread/Zigbee, Bluetooth
- What is in the Box : Dimmer Switch H2 EU × 1, User Manual × 1, Compliance Statement× 1, Screw Kit × 1