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Avatto Tuya WiFi Smart Dimmer Switch DMS16-Y1 User Manual

Model: DMS16-Y1

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Avatto Tuya WiFi Smart Dimmer Switch (Model: DMS16-Y1). Please read this manual thoroughly before installation and use to ensure proper function and safety. Keep this manual for future reference.



Figure 1: Front view of the Avatto Tuya WiFi Smart Dimmer Switch DMS16-Y1. The switch features a white glass panel with a circular indicator light on the left and a series of smaller indicator dots to the right, indicating dimming levels or status.

2. PRODUCT FEATURES

- **Smart Connectivity:** Compatible with Amazon Alexa and Google Home for convenient voice control.
- **Versatile:** Designed for 1-gang installations, offering flexible integration into existing electrical systems.
- **Dimming Function:** Allows adjustment of light brightness through touch control or smart app.
- **Elegant Design:** Features a sleek glass panel for a modern aesthetic that complements various interior decors.
- **Easy Installation:** Designed for setups that do not require a neutral wire, simplifying the installation process for many users.

3. SAFETY INFORMATION

Please observe the following safety precautions to prevent injury or damage to the device:

- **Electrical Safety:** Installation should only be performed by a qualified electrician or a person with a thorough understanding of electrical wiring. Always turn off power at the circuit breaker before installation or maintenance.
- **Voltage Compatibility:** Ensure the operating voltage of your electrical system matches the switch's specifications (240 Volts).
- **Load Capacity:** Do not exceed the maximum current rating of 0.1 Amps. Overloading can cause damage or fire.
- **Indoor Use Only:** This device is intended for indoor use in dry locations. Do not expose to moisture or extreme temperatures.
- **Children Safety:** Keep the device out of reach of children.

4. PACKAGE CONTENTS

Verify that all items are present in the package:

- Avatto Tuya WiFi Smart Dimmer Switch (DMS16-Y1)
- Mounting Screws
- User Manual

5. INSTALLATION (SETUP)

5.1 Wiring Diagram (No Neutral Wire Required)

This dimmer switch is designed for installations where a neutral wire is not available. Connect the Live (L) wire and the Load (L1) wire according to the diagram provided with your product packaging. Ensure all connections are secure.

5.2 Physical Installation

1. **Turn off Power:** Locate the circuit breaker controlling the light switch you are replacing and turn off the power. Verify power is off using a voltage tester.
2. **Remove Old Switch:** Carefully remove the existing wall plate and switch. Disconnect the wires.
3. **Wire the Smart Switch:** Connect the wires from your wall box to the corresponding terminals on the Avatto Smart Dimmer Switch as per the wiring diagram.
4. **Mount the Switch:** Gently push the wired switch into the wall box and secure it with the provided mounting screws.

5. **Attach Wall Plate:** Secure the glass panel wall plate to the switch.
6. **Restore Power:** Turn the power back on at the circuit breaker.

5.3 App Pairing (Tuya Smart / Smart Life App)

1. **Download App:** Download the 'Tuya Smart' or 'Smart Life' app from your mobile device's app store (iOS or Android).
2. **Register/Login:** Open the app and register for a new account or log in with an existing one.
3. **Add Device:** Tap the '+' icon in the top right corner of the app to add a device. Select 'Lighting' > 'Wall Switch (Wi-Fi)'.
4. **Enter Wi-Fi Details:** Ensure your phone is connected to a 2.4GHz Wi-Fi network. Enter your Wi-Fi password.
5. **Pairing Mode:** Follow the in-app instructions to put the switch into pairing mode (usually by pressing and holding the main touch button until the indicator light blinks rapidly).
6. **Complete Pairing:** The app will detect and connect to the switch. Once connected, you can rename the device and assign it to a room.

6. OPERATION

6.1 Manual Control

Touch the main circular button on the glass panel to turn the connected lights ON or OFF.

6.2 Dimming Function

To adjust brightness, press and hold the main circular button. The light will gradually dim or brighten. Release the button when the desired brightness level is reached. Alternatively, use the Tuya Smart/Smart Life app to precisely set the dimming percentage.

7. SMART HOME INTEGRATION

7.1 Connecting to Amazon Alexa

1. Open the Amazon Alexa app.
2. Go to 'Skills & Games'.
3. Search for 'Tuya Smart' or 'Smart Life' skill and enable it.
4. Link your Tuya Smart/Smart Life account with your Alexa account.
5. Discover devices (Alexa will automatically find your dimmer switch).
6. You can now control your lights with voice commands, e.g., "Alexa, turn on the living room light," or "Alexa, dim the living room light to 50%."

7.2 Connecting to Google Home

1. Open the Google Home app.
2. Tap '+' > 'Set up device' > 'Works with Google'.
3. Search for 'Tuya Smart' or 'Smart Life'.
4. Link your Tuya Smart/Smart Life account with your Google account.
5. Assign the dimmer switch to a room.
6. You can now control your lights with voice commands, e.g., "Hey Google, turn off the bedroom light," or "Hey Google, set the bedroom light to warm white."

8. MAINTENANCE

- **Cleaning:** To clean the glass panel, gently wipe it with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Power Cycle:** If the switch becomes unresponsive, try turning off the power at the circuit breaker for 10 seconds, then turn it back on.
- **Firmware Updates:** Periodically check the Tuya Smart/Smart Life app for available firmware updates to ensure optimal performance and security.

9. TROUBLESHOOTING

- **Switch Not Responding:** Ensure the circuit breaker is ON. Check wiring connections. If the issue persists, try a power cycle.
- **Lights Not Dimming:** Verify that the connected light bulbs are dimmable. Non-dimmable bulbs may flicker or not respond to dimming commands.
- **Wi-Fi Connectivity Issues:** Ensure your Wi-Fi network is 2.4GHz. Check if the Wi-Fi signal strength is adequate at the switch's location. Try restarting your Wi-Fi router. Re-pair the device if necessary.
- **Voice Control Not Working:** Confirm that your Tuya Smart/Smart Life account is correctly linked to Alexa or Google Home. Ensure the device name in the app is recognized by your voice assistant.
- **Flickering Lights:** This can sometimes occur with certain LED bulbs. Ensure your bulbs are compatible with leading-edge or trailing-edge dimmers, depending on the switch's type.

10. SPECIFICATIONS

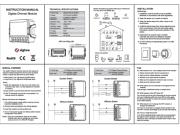
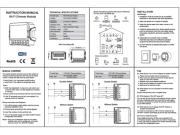
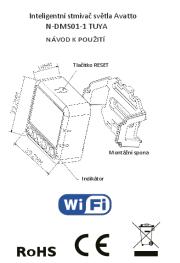
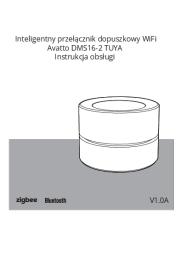
Specification	Value
Product Dimensions	12 x 7.2 x 3.5 cm
Item Weight	120 g
Manufacturer	Avatto
Item Model Number	DMS16-Y1
Operation Mode	ON-NONE-OFF
Current Rating	0.1 Amps
Operating Voltage	240 Volts
Contact Type	Normally Closed
Connector Type	Plug In
Switch Type	Push Button
Terminal	Through Hole
Material	Mixed Material

11. WARRANTY AND SUPPORT

This Avatto product comes with a standard manufacturer's warranty. For specific warranty details, please refer to the documentation included with your purchase or contact Avatto customer support. For technical

assistance, troubleshooting, or further inquiries, please visit the official Avatto website or contact their customer service channels.

Related Documents - DMS16-Y1

	<p>AVATTO Zigbee Dimmer Module ZDMS16 Instruction Manual</p> <p>Comprehensive instruction manual for the AVATTO Zigbee Dimmer Module (Model ZDMS16/DMS16). Covers technical specifications, manual override, wiring, installation, app setup with Tuya Smart, system requirements, and troubleshooting FAQs for smart home integration.</p>
	<p>AVATTO Wi-Fi Dimmer Module Instruction Manual & User Guide</p> <p>Comprehensive instruction manual for the AVATTO Wi-Fi Dimmer Module. Covers technical specifications, installation, manual override, wiring diagrams, app user guide, and frequently asked questions for smart home lighting control.</p>
	<p>Avatto N-DMS01-1 TUYA Smart Dimmer: User Manual, Specifications, and Setup Guide</p> <p>Comprehensive user manual and technical specifications for the Avatto N-DMS01-1 TUYA smart light dimmer. This guide covers installation, operation, app control via Tuya Smart, voice commands with Google Home and Alexa, troubleshooting, and environmental compliance. Learn how to set up and use your smart dimmer for enhanced home lighting control.</p>
	<p>Avatto DMS16-2 TUYA: Instrukcja obsługi intelligentnego przełącznika dopuszczkowego WiFi</p> <p>Instrukcja obsługi dla intelligentnego przełącznika dopuszczkowego WiFi Avatto DMS16-2 TUYA. Dowiedz się o parowaniu, trybach pracy (zdalnym i sieciowym), sterowaniu oraz specyfikacjach technicznych.</p>
<p>WIFI Curtain Switch</p>  <p>User Guide</p> <p>• Working Voltage: AC110-240V(50/60Hz) • Normal Load Power: ≤600W • Maximum load power: 2400W • Maximum peak power: 2400W • Standby consumption: 0.1mA • Wireless frequency: 2.4GHz • Wireless range: 30 Meters(indoor) • Switch Standard: IEC/UN • Material: ABS Plastic • Metal part: ABS Plastic</p>	<p>Avatto N-CS10 WIFI Curtain Switch User Guide</p> <p>User guide for the Avatto N-CS10 WIFI Curtain Switch, detailing specifications, wiring, installation, app control via Smart Life, scheduling, device sharing, and integration with Amazon Alexa and Google Home.</p>
	<p>Avatto WSM16-W3 Smart Wi-Fi Switch Module User Manual</p> <p>Comprehensive user manual for the Avatto WSM16-W3 intelligent in-wall Wi-Fi switch module, covering installation, technical specifications, app control, voice assistant integration, troubleshooting, and compliance information.</p>