

OSRAM 4058075849969

OSRAM SMART+ WiFi 2-Channel Switch Module with Energy Meter

User Manual

1. INTRODUCTION

Thank you for choosing the OSRAM SMART+ WiFi 2-Channel Switch Module. This compact device allows you to integrate two independent electrical appliances into your Smart Home system, enabling remote control, energy monitoring, and automation via WiFi. It is compatible with popular voice assistants like Amazon Alexa and Google Assistant. This manual provides essential information for safe installation, operation, and maintenance of your device.

2. SAFETY INFORMATION

WARNING: Electrical installation should only be performed by a qualified electrician. Incorrect installation can lead to electric shock, fire, or damage to the device.

- Always disconnect power at the main circuit breaker before performing any electrical work.
- Ensure the device is installed in accordance with local electrical codes and regulations.
- The module is designed for indoor use only.
- Do not exceed the maximum combined load of 10A for both channels.
- A circuit breaker (max. 16A) is required for the installation circuit.
- Keep the device away from water, moisture, and extreme temperatures.
- Do not attempt to open or repair the device yourself. Contact qualified personnel for service.

3. PRODUCT OVERVIEW

The OSRAM SMART+ WiFi 2-Channel Switch Module is a compact, white polycarbonate device designed for flush-mount installation. It features two independent switching channels and an integrated energy meter to monitor power consumption.



Image 3.1: The OSRAM SMART+ WiFi 2-Channel Switch Module shown with its retail packaging. The module is a small, white rectangular device with orange terminal blocks visible.

Key Features:

- **Dual Channel Control:** Independently switch two connected devices.
- **Energy Metering:** Monitor energy consumption for both channels.
- **WiFi Connectivity:** Operates on 2.4 GHz WiFi for seamless integration into your smart home.
- **High Switching Capacity:** Up to 10A per channel, with a maximum combined load of 10A for both channels.
- **Smart Home Compatibility:** Control via app, Amazon Alexa, and Google Assistant.
- **Safety Features:** Includes overheating protection and overload protection.
- **Compact Design:** Space-saving for flush-mount installation.

Module Components:

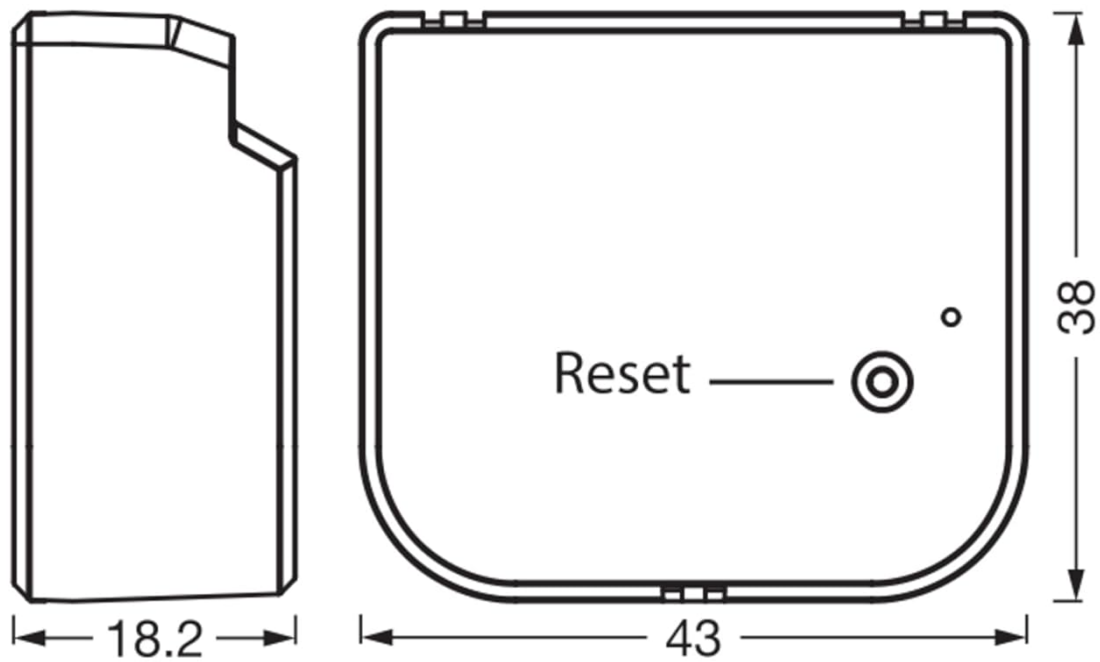


Image 3.2: Technical drawing showing the dimensions (43mm length, 18.2mm width, 38mm height) and the location of the reset button on the OSRAM SMART+ WiFi 2-Channel Switch Module.

- **Terminal Blocks:** For electrical connections (L, N, 01, 02, S1, S2).
- **Reset Button:** Used for factory reset or pairing mode (refer to Image 3.2).
- **Indicator Light:** Provides status feedback (e.g., pairing mode, connection status).

4. SETUP AND INSTALLATION

Installation of the OSRAM SMART+ WiFi 2-Channel Switch Module requires professional electrical knowledge. It is designed for flush-mount installation within a standard electrical box.

4.1 Electrical Installation

1. **Power Disconnection:** Before starting, ensure the main power supply to the circuit is turned off at the circuit breaker. Verify with a voltage tester.
2. **Wiring:** Connect the module according to the wiring diagram provided in the product documentation. Ensure correct connections for Live (L), Neutral (N), Output 1 (01), Output 2 (02), Switch Input 1 (S1), and Switch Input 2 (S2). The module operates on 220-240V.
3. **Mounting:** Carefully place the module into the electrical box. Ensure all wires are securely connected and not pinched.
4. **Power Restoration:** Once installation is complete and verified, restore power at the circuit breaker. The module's indicator light should illuminate.



Image 4.1: A hand carefully inserting the OSRAM SMART+ WiFi 2-Channel Switch Module into a circular opening in a wall, demonstrating the flush-mount installation process. Wiring is visible.

4.2 App Installation and Pairing

To control your OSRAM SMART+ module, you need to install the OSRAM SMART+ app on your smartphone or tablet.

1. **Download the App:** Search for "OSRAM SMART+" in the Apple App Store or Google Play Store, or scan the

QR code on the product packaging (refer to Image 4.2).



Image 4.2: The back of the OSRAM SMART+ product packaging, displaying QR codes for downloading the SMART+ app from the App Store and Google Play, along with "Works with SMART+ app", "Works with Alexa", and "Works with Google Home" logos.

2. **Create Account:** Open the app and follow the on-screen instructions to create an account or log in.
3. **Add Device:** In the app, select "Add Device" or a similar option. Follow the app's instructions to put the switch module into pairing mode (usually by pressing and holding the reset button for a few seconds until the indicator light blinks).
4. **Connect to WiFi:** The app will guide you through connecting the module to your 2.4 GHz WiFi network. Ensure your smartphone is also connected to the same 2.4 GHz network during pairing.
5. **Name Device:** Assign a name to your switch module and its individual channels for easy identification.

4.3 Smart Home Integration

Once paired with the OSRAM SMART+ app, you can integrate the module with Amazon Alexa or Google Assistant for voice control.

- **For Alexa:** Open the Alexa app, go to "Skills & Games," search for "OSRAM SMART+," enable the skill, and

link your OSRAM SMART+ account. Then, discover devices.

- **For Google Assistant:** Open the Google Home app, tap "Add" (+), then "Set up device," and "Works with Google." Search for "OSRAM SMART+", link your account, and assign devices to rooms.



Image 4.3: A collection of smart home devices, including smart displays, smart speakers, a tablet, and a smartphone, all showcasing the integration capabilities of the SMART+ system.

5. OPERATING INSTRUCTIONS

5.1 App Control

The OSRAM SMART+ app provides full control over your switch module.

- **Switching:** Tap on the device in the app to toggle connected appliances On/Off for each channel.
- **Energy Monitoring:** View real-time and historical energy consumption data for both channels within the app.
- **Schedules & Timers:** Set up automated schedules or timers for your connected devices.
- **Scenes & Automations:** Create custom scenes or automations to control multiple devices simultaneously or based on specific conditions.

5.2 Voice Control

Use voice commands with Amazon Alexa or Google Assistant to control your connected devices.

- **Example Commands (assuming device named "Living Room Light 1" and "Living Room Light 2"):**
 - "Alexa, turn on Living Room Light 1."
 - "Hey Google, turn off Living Room Light 2."
 - "Alexa, turn on all living room lights." (If grouped in the Alexa app)

5.3 Manual Control (if applicable)

If traditional wall switches are connected to the S1/S2 inputs, you can still control the connected lights/appliances manually. The module will reflect the state change in the app.

6. MAINTENANCE

- **Cleaning:** Ensure power is off before cleaning. Wipe the device with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Firmware Updates:** Periodically check the OSRAM SMART+ app for available firmware updates to ensure optimal performance and security.
- **Environmental Conditions:** Ensure the operating environment remains within specified temperature and humidity ranges.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device not responding / No power	No power supply; Incorrect wiring; Circuit breaker tripped.	Check circuit breaker. Verify wiring connections (consult a qualified electrician).
Cannot pair with app	Incorrect WiFi network (not 2.4 GHz); Module not in pairing mode; Weak WiFi signal.	Ensure phone and module are on 2.4 GHz WiFi. Put module into pairing mode (press reset button). Move closer to router.
Voice control not working	Skill not enabled; Account not linked; Device not discovered; Incorrect voice command.	Enable OSRAM SMART+ skill/service. Link accounts. Discover devices in Alexa/Google Home app. Use correct device names.
Energy meter shows incorrect data	Temporary software glitch; Overload condition.	Restart the module by cycling power. Ensure connected load does not exceed 10A total.

If problems persist, perform a factory reset by pressing and holding the reset button for approximately 10 seconds until the indicator light changes behavior (e.g., rapid blinking). Note that a factory reset will erase all settings and require re-pairing.

8. SPECIFICATIONS

Brand	OSRAM
Model Number	4058075849969
ASIN	B0FGD5JLS8
Product Dimensions	43L x 18W x 38H mm (approx. 4.3 x 1.82 x 0.1 cm; 30 g)
Material	Polycarbonate (PC)
Color	White

Voltage	220-240 Volt
Amperage	10 Ampere (maximum 10A total for both channels combined)
Connectivity	WiFi 2.4 GHz
Manufacturer	LEDVANCE
Country of Origin	China



Image 8.1: A close-up view of the OSRAM SMART+ WiFi 2-Channel Switch Module, displaying its technical specifications and certifications printed on the casing.

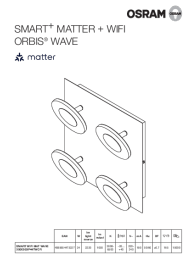

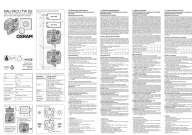
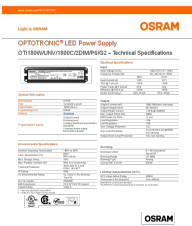

9. WARRANTY AND SUPPORT

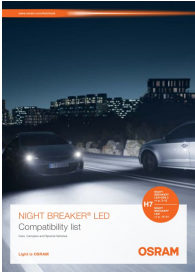
For warranty information and technical support, please refer to the official OSRAM SMART+ website or contact LEDVANCE customer service.

You can find additional documentation and support at[LEDVANCE Product Documentation](#)
For the SMART+ app, visit[OSRAM SMART+ WiFi App Information](#)

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Related Documents - 4058075849969

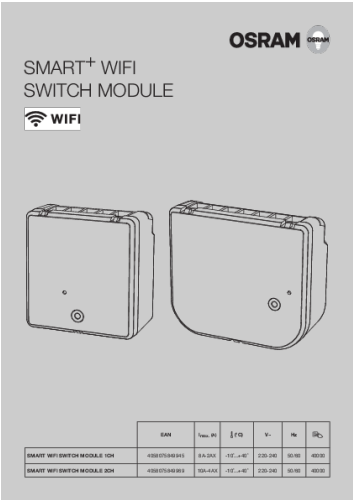
	<p>OSRAM SMART+ Matter WiFi Orbis Wave Installation Guide and Specifications</p> <p>Detailed installation guide, technical specifications, and setup instructions for the OSRAM SMART+ Matter WiFi Orbis Wave luminaire. Learn how to install, connect, and troubleshoot this smart lighting product.</p>
	<p>e:cue SYMPHOLIGHT 3.0 User Manual</p> <p>Comprehensive user manual for e:cue SYMPHOLIGHT 3.0, detailing installation, features, automation, and advanced functionalities for digital lighting control.</p>
	<p>OSRAM DALI MCU TW G2: DALI Controller for Tunable White Lighting</p> <p>Comprehensive guide to the OSRAM DALI MCU TW G2, a DALI-2 application controller for manual dimming and tunable white color temperature adjustment in lighting systems. Includes technical specifications, installation, operation, and safety instructions.</p>
	<p>OSRAM OTi180W/UNV/1800C/2DIM/P6/G2 LED Power Supply Technical Specifications</p> <p>Detailed technical specifications for the OSRAM OTi180W/UNV/1800C/2DIM/P6/G2 LED Power Supply, covering electrical, environmental, dimming, and performance characteristics.</p>
	<p>OSRAM SMART+ Matter + WiFi Beam Adjustable Wall Light - Specifications and Installation</p> <p>Comprehensive guide to the OSRAM SMART+ Matter + WiFi Beam Adjustable Wall light, covering technical specifications, installation steps, smart setup, troubleshooting, and compliance information.</p>



[OSRAM NIGHT BREAKER® LED Compatibility List for Cars, Campers, and Special Vehicles](#)

Comprehensive compatibility list for OSRAM NIGHT BREAKER® LED and NIGHT BREAKER® LED GEN 2 automotive lighting solutions, covering a wide range of car, camper, and special vehicle models. Find the right LED replacement lamps for your vehicle.

Documents - OSRAM – 4058075849969



[\[pdf\] User Manual](#)

SMART WIFI SWITCH MODULEDer Eingang muss an einen Schutzschalter mit maximal 10 A angeschlossen werden @ The input needs to be connected a maximum 10A circuit gebruiksaanwijzingen en veiligheidsinformatie 3457602 osram smart moduleasset conrad media10 add 160267 c1 gl 003457602ML00 gebruiksaanwijzingen module ||| SMART WIFI SWITCH MODULE SMART WIFI SWITCH MODULE 1CH SMART WIFI SWITCH MODULE 2CH EAN lmax. A C V- Hz 4058075849945 **4058075849969** 8A-2AX -10... 40 220-240 50/60 40000 10A-4AX -10... 40 220-240 50/60 40000 SMART WIFI SWITCH MODULE 22 g 4058075849945 mm 30 g **4058075849969** 1x 1x 1... lang:nl **score:24** filesize: 693.37 K page_count: 7 document date: 2025-05-16