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› Legrand Seano RGB DALI Dimmer (Model 765145) Instruction Manual

Legrand 765145

Legrand Seano RGB DALI Dimmer (Model 765145) Instruction Manual

Model: 765145 | Brand: Legrand

1. INTRODUCTION

This instruction manual provides essential information for the proper installation, operation, and maintenance of your Legrand Seano RGB DALI Dimmer, Model 765145. This device is designed to manually control and change colors for DALI ballasts and drivers, allowing for customized lighting atmospheres.

2. PRODUCT OVERVIEW

The Legrand Seano RGB DALI Dimmer is an advanced lighting control unit featuring a compact design and user-friendly interface. It integrates seamlessly into various installations, offering precise color control for DALI-compatible lighting systems. The product is designed with ease of installation and long-term durability in mind.



Figure 2.1: Front view of the Legrand Seano RGB DALI Dimmer, showing the color control and dimming buttons.

3. KEY FEATURES

- **RGB DALI Dimmer:** Enables manual color changing for DALI ballasts and drivers, allowing for custom lighting atmospheres.
- **Optimized Size:** Reduced cube size provides more wiring space, accommodating imprecise cavity wall boxes.
- **Efficient Construction:** The Seano switch concept features an all-in-one system with rocker carrier, plaster compensation spring, and integrated counter plate, eliminating the need for a separate rocker counter plate.
- **Clean Installation:** A 4-point spring system presses the frame against the wall, ensuring a clean installation and compensating for wall irregularities.
- **Flexible LED Lighting:** Supports adding low-energy LED lighting or control functions to your switch, button, and socket installations, even after initial setup, without replacing the insert.
- **Double-Tooth Spreading Claw:** Fully covered in the neutral position to prevent damage to wire insulation and protect hands during installation. Enhances grip and tensile strength.
- **Positioning System:** Clever design allows for precise alignment in multiple installations, compensating for

inaccurate can spacings.

- **Painter's Cover:** Factory-fitted cover protects the product from dust, paint, and damage during and after installation.
- **Sustainability:** Manufactured using recycled plastics and packaged in paper or cardboard, promoting environmental responsibility.

4. SETUP AND INSTALLATION

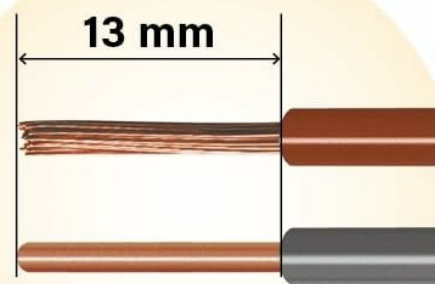
Proper installation is crucial for the safe and effective operation of the RGB DALI Dimmer. Ensure power is disconnected before beginning any electrical work.

4.1 Wiring and Connection

The dimmer utilizes screw terminals for secure connections. A circuit diagram and stripping length are visible on the insert for guidance.

SEANO™

Kompakter Einsatz mit vielen Vorteilen



Geeignet für starre
und flexible Leiter

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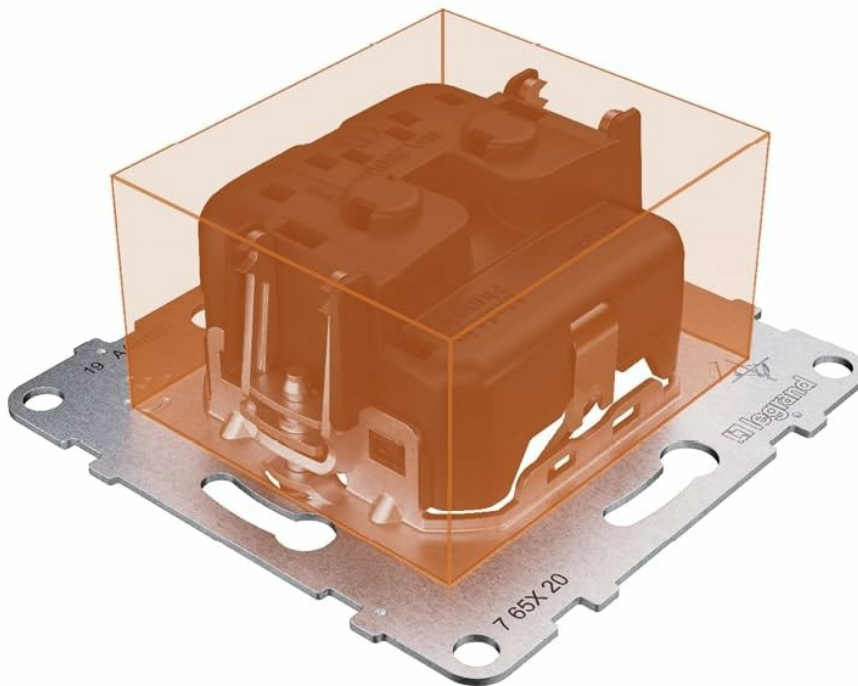
Figure 4.1: The compact insert design provides ample wiring space. The image shows the wiring terminals and a diagram indicating a 13mm stripping length suitable for rigid and flexible conductors.

4.2 Space Optimization

The design of the insert is optimized to provide maximum wiring space within the wall box, simplifying installation even with imprecise cavity wall boxes.

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Größenoptimierter Einsatz



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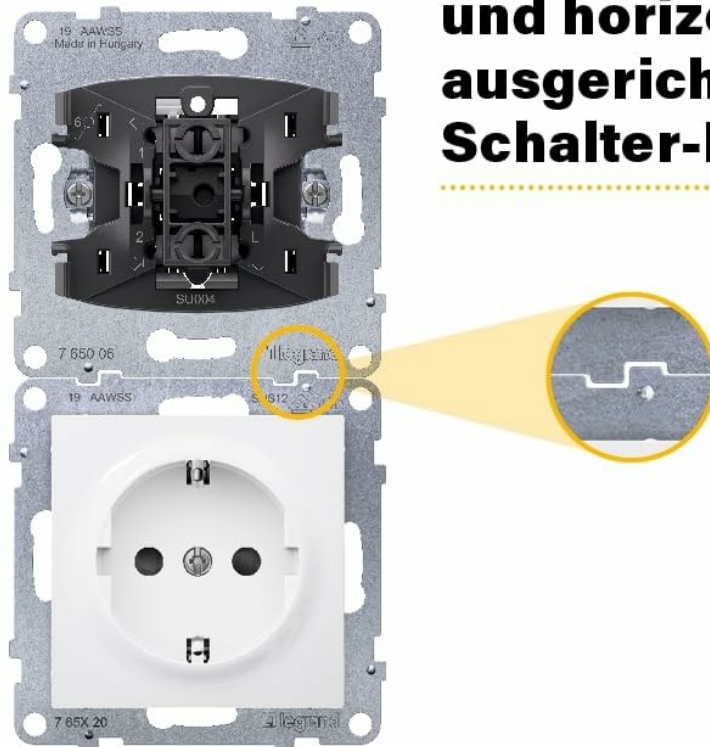
Figure 4.2: Illustration of the size-optimized insert, highlighting the reduced internal volume to allow for more wiring space.

4.3 Mounting and Alignment

The Seano system features a novel positioning system and a 4-point spring system to ensure precise and flush mounting. This helps to cover negative wall effects and compensate for irregularities.

SEANO™

Neuartiges Positionierungssystem und horizontal ausgerichteter Schalter-Einsatz



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Figure 4.3: The novel positioning system ensures accurate horizontal alignment of the switch insert, crucial for multi-gang installations.

SEANO™

Putzausgleichs-Federsystem

Keine Wand ist eben. Das 4-Punkt-Federsystem drückt den Rahmen an die Wand. So gelingt Ihnen die saubere Installation besonders einfach.

- Decken Sie negative Wandeffekte stilvoll ab
- Gleichen Sie Unregelmäßigkeiten in der Positionierung der Installation aus
- Überdecken Sie die äußeren Kragen von Hohlwanddosen auf ästhetische Weise



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Figure 4.4: The 4-point spring system presses the frame firmly against the wall, facilitating a clean installation and compensating for uneven surfaces.

4.4 Spreading Claw Mechanism

The double-tooth spreading claw is designed with a protective cover that fully encloses it in the neutral position. This prevents damage to wire insulation and protects the installer's hands.

SEANO™

Doppelzahn-Spreizkralle mit Schutzabdeckung

Die Doppelzahn-Spreizkralle der neuen SEANO™-Serie bietet einen verbesserten Halt und eine erhöhte Zugfestigkeit des Einsatzes. In der neutralen Position sind die Spreizkrallen vollständig abgedeckt, was Schäden an Drahtisolierungen verhindert und während der Installation vor Handverletzungen schützt.



Figure 4.5: Detail of the double-tooth spreading claw, showing its protective covering and improved grip for secure installation.

4.5 Painter's Cover

Each insert comes with a factory-fitted painter's cover. This cover protects the product from dust, paint, and potential damage during construction or renovation work, eliminating the need for manual masking.

5. OPERATING INSTRUCTIONS

The RGB DALI Dimmer provides intuitive control over your DALI lighting system.

5.1 Color Changing

Use the dedicated color control button (often marked with a rainbow circle) to cycle through or select desired colors for your DALI ballasts and drivers. The mechanical knob allows for fine-tuning of color intensity or specific hues.

5.2 Dimming Function

The dimmer also includes a dimming function, typically controlled by a separate button or the mechanical knob, to adjust the brightness of the selected color or white light.

5.3 Flexible LED Integration

The system supports the addition of low-energy LED lighting or control functions. These can be integrated into your switch, button, and socket installations even after the initial setup without requiring replacement of the main insert.

SEANO™

Flexible LED-Beleuchtung

Beleuchtungs- oder Kontrollfunktionen werden bei SEANO™ über LEDs mit geringem Energieverbrauch realisiert und können auch im Nachhinein ohne Tausch des Einsatzes noch hinzugefügt werden.



Figure 5.1: The design allows for flexible integration of low-energy LED lighting or control functions.

6. MAINTENANCE

The Legrand Seano RGB DALI Dimmer is designed for minimal maintenance. Regular cleaning and occasional functional checks are recommended.

6.1 Cleaning

To clean the surface of the dimmer, use a soft, dry cloth. Avoid abrasive cleaners, solvents, or excessive moisture, as these can damage the finish or internal components.

6.2 Functional Testing

The switch inserts are equipped with test points, allowing for quick and easy functional checks without needing to

remove the unit from the wall.

SEANO™

Komfortable Funktionsprüfung

Die Schaltereinsätze der SEANO™-Serie verfügen über Messpunkte, wodurch sie schnell, einfach und ohne Ausbau auf ihre Funktionsfähigkeit geprüft werden können.



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Figure 6.1: The image highlights the test points on the switch insert, enabling convenient functional verification.

7. TROUBLESHOOTING

If you encounter issues with your RGB DALI Dimmer, consider the following general troubleshooting steps:

- **No Power:** Check the circuit breaker and ensure all wiring connections are secure.
- **No Light Output:** Verify that the DALI ballasts/drivers are correctly connected and functioning. Ensure the dimmer is receiving power and is switched on.
- **Incorrect Color/Dimming:** Confirm that the DALI addresses are correctly configured for your lighting system. Refer to your DALI system's documentation for specific programming instructions.
- **Intermittent Operation:** Inspect all wiring for loose connections or damage. Ensure the dimmer is not exposed to excessive heat or moisture.

If problems persist after attempting these steps, please contact Legrand customer support or a qualified electrician.

8. SPECIFICATIONS

Model Number	765145
Brand	Legrand
Color	Ultra White
Material	Thermoplastic (Halogen-free)
Dimensions (L x W x H)	72.9 mm x 72.9 mm x 43.1 mm
Operation Mode	ON-OFF
Contact Type	Normally Open
Connector Type	Clamp
Switch Type	Wippschalter (Rocker Switch)
Terminal Type	Screw
Circuit Type	1-way
Mounting Type	Through Hole Mount
Actuator Type	Push Button
Controller Type	Mechanical knob
Connectivity Protocol	DALI
International Protection Rating	IP20
Impact Protection Rating	IK03

9. SUSTAINABILITY

Legrand is committed to sustainability. The Seano product portfolio utilizes recycled plastics, and all packaging is made from paper or cardboard, replacing non-recyclable thermosetting plastics and plastic packaging. This approach contributes to a reduced environmental footprint.

10. WARRANTY AND SUPPORT

This Legrand product is covered by the manufacturer's standard warranty. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or visit the official Legrand website. For technical assistance, troubleshooting, or product inquiries, please contact Legrand customer support. Contact details can typically be found on the Legrand website or on the product packaging.