

Legrand 003701

Legrand 003701 DIN Rail Staircase Timer Instruction Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Legrand 003701 DIN Rail Staircase Timer. This device is designed to automatically control lighting in common areas such as staircases, corridors, and basements, ensuring energy efficiency and convenience.

2. SAFETY INFORMATION

WARNING: Electrical installation should only be performed by qualified personnel. Always disconnect power at the main circuit breaker before installing or servicing this device. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Ensure the power supply matches the device's voltage rating (230V AC).
- Do not expose the device to moisture or extreme temperatures.
- Verify all connections are secure before restoring power.

3. PRODUCT OVERVIEW

The Legrand 003701 is a compact, modular staircase timer designed for mounting on a DIN rail. It features adjustable timing and a manual override switch.



Figure 1: Front view of the Legrand 003701 Staircase Timer, showing the time adjustment dial and manual switch.



Figure 2: Diagram of the Legrand 003701 Staircase Timer, illustrating its dimensions and mounting features.

4. SPECIFICATIONS

Feature	Specification
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Feature	Specification
Manufacturer	LEGRAND
Model Number	003701
Product Dimensions	9 x 2 x 7.5 cm
Weight	62 g
Color	White
Style	RexEMPlus
Power Source	DC/AC
Voltage	230 Volts
Electrical Power	1000 Watts
Number of Products	1
Number of Pieces	1
Measurement System	Metric
Circuit Type	1 Way
Usage	Commercial and Private Use
Included Components	1 DIN Rail Timer
Batteries Included	No
Batteries Required	No
Operating Mode	ON-ON-OFF
Rated Current	16 Amperes
Operating Voltage	230 Volts (AC)
Contact Type	Normally Open
Connector Type	Plug In
Switch Type	Timer
Terminal	Timer
Material	Stainless steel, Brass, Metal, Plastic

5. INSTALLATION

The Legrand 003701 staircase timer is designed for quick and secure mounting on a standard 35mm DIN rail within an electrical distribution board.

5.1 Mounting

1. Ensure all power to the electrical panel is disconnected.
2. Hook the top clip of the timer onto the DIN rail.
3. Press the bottom of the timer firmly until it clicks into place on the rail.

5.2 Wiring

Refer to the wiring diagram printed on the side of the device (see Figure 2) and the specific wiring requirements for your installation (3-wire or 4-wire connection). Ensure correct connection of Line (L), Neutral (N), and Load terminals. The timer supports a 1-way circuit type.

- Connect the incoming phase (L) and neutral (N) to the designated terminals.
- Connect the load (lighting circuit) to the output terminal.
- For push-button control, connect the push-buttons according to the diagram.

6. OPERATION

Once installed and powered, the Legrand 003701 timer operates as follows:

6.1 Time Adjustment

The timer features a rotary dial on the front panel to adjust the lighting duration. The available settings typically range from 2 to 10 minutes. Use a flat-head screwdriver to carefully turn the dial to your desired time setting.

6.2 Automatic Mode

In automatic mode, pressing any connected push-button will activate the lights for the set duration. The timer will automatically switch off the lights once the set time has elapsed.

6.3 Manual Override

The device includes a manual override switch (often indicated by a light bulb icon or ON-ON-OFF positions). This switch allows for continuous lighting (ON), automatic operation (AUTO), or permanent off (OFF) functionality, depending on the model variant. Consult the specific markings on your device for exact positions.

7. MAINTENANCE

The Legrand 003701 staircase timer requires minimal maintenance. Regular checks can help ensure optimal performance and safety.

- Periodically inspect the device for any signs of physical damage or overheating.
- Ensure all wiring connections remain tight and secure.
- Clean the exterior of the device with a dry, soft cloth. Do not use abrasive cleaners or solvents.

8. TROUBLESHOOTING

If you encounter issues with your staircase timer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lights do not turn on.	No power, faulty wiring, defective push-button, or burnt-out bulb.	Check circuit breaker. Verify wiring connections. Test push-buttons. Replace bulbs.

Problem	Possible Cause	Solution
Lights stay on continuously.	Timer stuck in manual override (ON) position, or internal fault.	Check manual override switch position. If problem persists, consult a qualified electrician.
Lights turn off too quickly/slowly.	Incorrect time setting.	Adjust the time setting dial on the front of the timer.
Timer makes clicking noises but lights don't activate.	Load wiring issue or faulty relay.	Verify load connections. If necessary, have a qualified electrician inspect the device.

9. VIDEO RESOURCES

The following videos provide additional visual guidance for understanding and installing staircase timers. Please note that these videos may feature similar products from other manufacturers but offer relevant insights into the general functionality and installation process.

9.1 Temporizador para luz de la escalera (Staircase Light Timer)

Your browser does not support the video tag.

This video demonstrates the functionality of a staircase light timer, showing how it controls lighting for a set duration after activation. It provides a general overview of how such devices operate in a residential or commercial setting.

9.2 DEWIN Relé Temporizador 230V (DEWIN 230V Timer Relay)

Your browser does not support the video tag.

This video showcases a 230V timer relay, highlighting its features and potential applications. It may include visual demonstrations of its physical characteristics and basic operational modes.

9.3 GEYA Relé de tiempo de 230 V para escalera, 0,5-20 minutos (GEYA 230V Staircase Time Relay, 0.5-20 minutes)

Your browser does not support the video tag.

This video presents a GEYA staircase time relay, demonstrating its adjustable time range from 0.5 to 20 minutes. It can offer insights into setting the timer and its application in staircase lighting systems.

10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact your local Legrand distributor or visit the official Legrand website. Keep your purchase receipt as proof of purchase.