

## REYLAX DT-NS24V-15W

# REYLAX LED Transformer 24V 15W

Model: DT-NS24V-15W

|                              |                                    |                                  |                                        |                                          |                           |
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## 1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your REYLAX LED Transformer 24V 15W (Model: DT-NS24V-15W). This device is designed to convert AC household current to a stable 24V DC constant voltage, suitable for various LED lighting applications such as LED strip lights and cabinet lights. Please read these instructions carefully before installation and operation, and retain them for future reference.

## 2. SAFETY INFORMATION

**WARNING: Risk of electric shock. Installation should only be performed by a qualified electrician.**

- Ensure the power supply is disconnected before any installation, wiring, or maintenance.
- This transformer is designed exclusively for constant voltage LED applications. Do not use it with motors, doorbells, or other mechanical products.
- **Not compatible with any dimmer switches.** Connecting to a dimmer switch may cause damage to the transformer or connected LED lights.
- To ensure maximum efficiency and longevity, the recommended load should not exceed 80% of the maximum capacity (e.g., 12W for a 15W transformer).
- Ensure proper ventilation around the transformer to prevent overheating.
- Do not expose the transformer to moisture or extreme temperatures.
- Verify input and output voltage requirements of your LED lights match the transformer's specifications.

# Die Richtige Wahl Treffen

|                         |                                                                            |              |              |
|-------------------------|----------------------------------------------------------------------------|--------------|--------------|
| Item Model              | <b>DT-NS24V-15W</b>                                                        | DT-NS24V-30W | DT-NS24V-60W |
| Input Voltage (AC)      | 100-240VAC, 50/60HZ                                                        |              |              |
| Output Voltage (DC)     | 24VDC                                                                      |              |              |
| Power (W)               | <b>15W</b>                                                                 | 30W          | 60W          |
| Recommended Load        | <b>0-12W</b>                                                               | 0-24W        | 0-48W        |
| Maximum Load            | <b>15W</b>                                                                 | 30W          | 60W          |
| Applicable Applications | Constant Voltage LED Lights Only! Not compatible with any Dimmer Switches. |              |              |

## Hinweise:

1. Dieser Treiber ist ausschließlich für LED-Anwendungen geeignet und nicht für Motoren, Türklingeln oder andere mechanische Produkte.
2. Für maximale Effizienz und Leistung wird empfohlen, die Last unter 80 % der maximalen Nennleistung zu halten. (Empfohlene Last)
3. Diese LED Trafo der 24V Serie sind für den Betrieb mit einer konstanten Ausgangsspannung von 24 V DC ausgelegt. Bitte wählen Sie die passende Last gemäß der Tabelle.

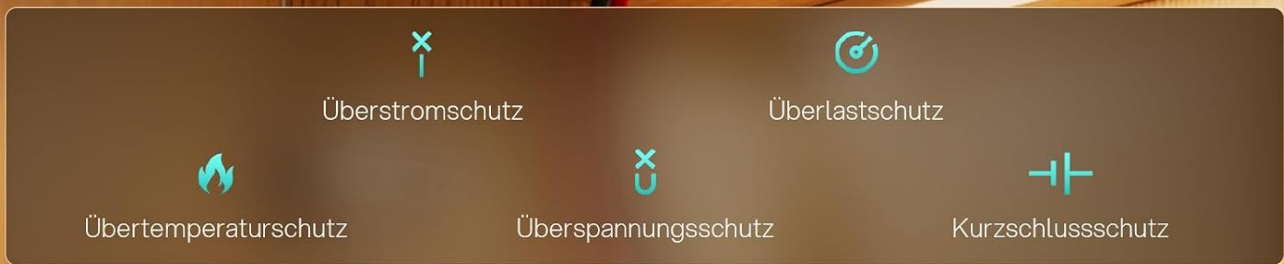


Not compatible with any Dimmer Switches.



This image illustrates the product's specifications and important warnings, including incompatibility with dimmer switches. It shows a table with different models (DT-NS24V-15W, DT-NS24V-30W, DT-NS24V-60W) and their respective input/output voltages, power, recommended load, and maximum load. A note below the table emphasizes that the driver is exclusively for LED applications and not compatible with dimmer switches.

# Sicherheitsschutz

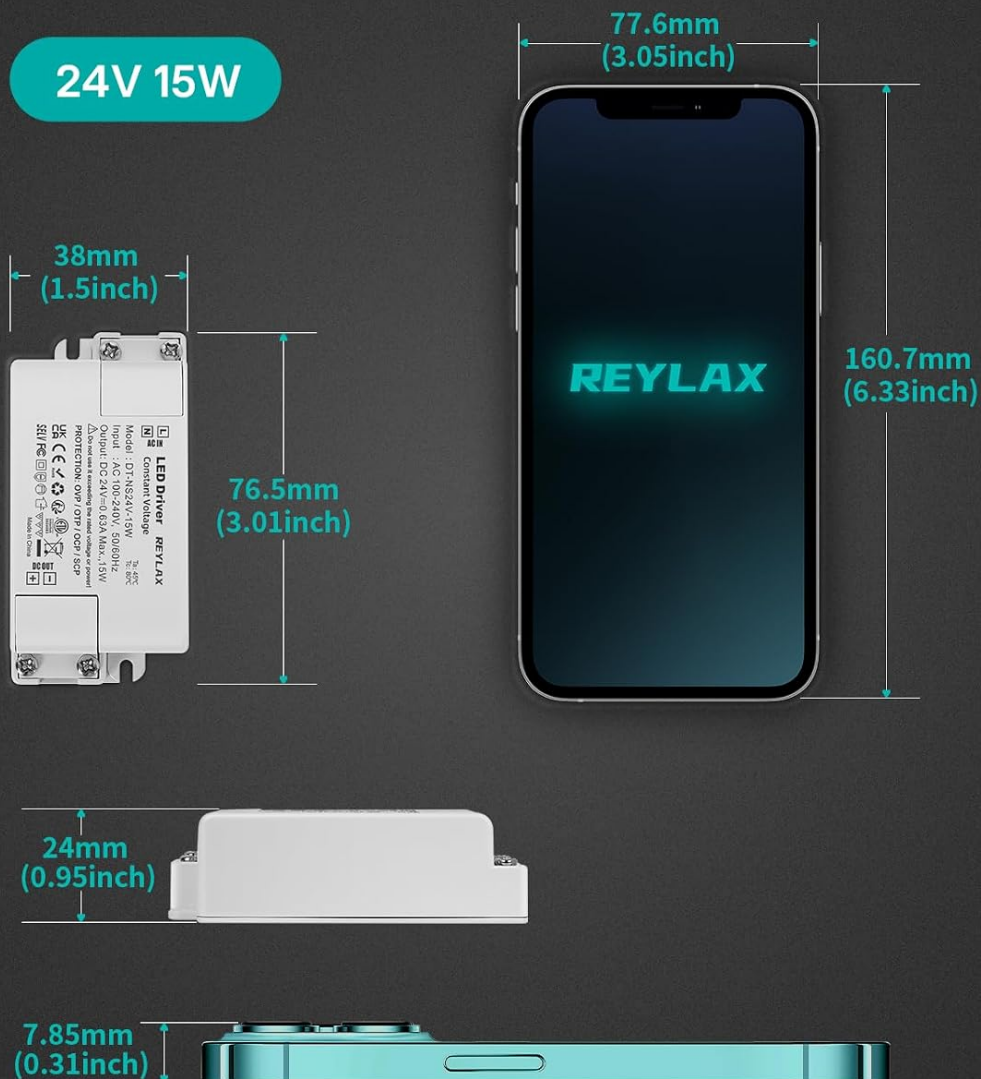


This image displays the safety protection features of the REYLAX LED Transformer, including overcurrent protection, overload protection, overtemperature protection, overvoltage protection, and short-circuit protection, represented by clear icons.

## 3. PRODUCT FEATURES

- **Constant Voltage Output:** Provides a stable 24V DC output, ideal for various LED lighting products.
- **Compact Design:** Small and lightweight, allowing for easy placement in tight spaces.
- **Wide Input Voltage:** Accepts AC 100-240V, 50/60Hz, making it suitable for global use.
- **Multiple Safety Protections:** Equipped with overcurrent, overload, overtemperature, overvoltage, and short-circuit protection for enhanced safety and reliability.
- **Flicker-Free Operation:** Designed to provide stable power for flicker-free LED illumination.

# Schlankes Design



This image illustrates the compact dimensions of the REYLAX LED Transformer (38mm x 76.5mm x 24mm) in comparison to a smartphone, highlighting its slim design for easy integration.

# LED Trafo mit Konstantspannung

Eingangsspannung: AC 100–240V | Ausgang: DC 24V



This image shows the REYLAX LED Transformer and various 24V LED applications it supports, including GU10, GU5.3, LED Strip Lights, LED Light Bars, and LED Downlights, emphasizing its constant voltage output.

## 4. SPECIFICATIONS

| Parameter           | Value                    |
|---------------------|--------------------------|
| Model Number        | DT-NS24V-15W             |
| Input Voltage (AC)  | 100-240V AC, 50/60Hz     |
| Output Voltage (DC) | 24V DC                   |
| Maximum Power (W)   | 15W                      |
| Recommended Load    | 0-12W (80% of max power) |

| Parameter              | Value                        |
|------------------------|------------------------------|
| Output Current         | Max 0.63A                    |
| Protection             | OVP, OCP, SCP, OTP           |
| Dimensions (L x W x H) | Approx. 76.5mm x 38mm x 24mm |
| Operating Temperature  | Ta: -20°C to +45°C           |

## 5. SETUP & INSTALLATION

Follow these steps for proper installation. Ensure all power is disconnected before beginning.

- 1. Prepare Wiring:** Ensure you have appropriate input (AC) and output (DC) cables. The recommended cable cross-section is 0.5-1.5mm².
- 2. Connect AC Input:** Connect the AC input wires (Live 'L' and Neutral 'N') from your main power supply to the 'AC IN' terminals on the transformer. Ensure a secure connection.
- 3. Connect DC Output:** Connect the DC output wires (Positive '+' and Negative '-') from the transformer's 'DC OUT' terminals to your 24V LED lighting fixtures. Observe correct polarity.
- 4. Secure Connections:** Double-check all wire connections to ensure they are tight and properly insulated.
- 5. Mount Transformer:** Place the transformer in a well-ventilated area, away from direct heat sources or moisture. Use appropriate mounting hardware if necessary.
- 6. Power On:** Once all connections are secure and verified, restore power to the circuit. Your LED lights should illuminate.

# Einfache Installation



This image provides a clear wiring diagram for the REYLAX LED Transformer. It shows the AC input (L and N) connected to the transformer, and the DC output (+ and -) connected to multiple LED lights. Recommended cable sizes (0.5-1.5mm<sup>2</sup>) are also indicated for both input and output connections.

## 6. OPERATING INSTRUCTIONS

The REYLAX LED Transformer is designed for continuous operation once properly installed. It provides a constant 24V DC output to your connected LED lights.

- Ensure the total wattage of connected LED lights does not exceed the transformer's maximum power rating (15W) and ideally stays within the recommended load (12W).
- The transformer will automatically provide power to the connected LED lights when the AC input is supplied.
- To turn off the LED lights, disconnect the AC input power to the transformer.

## 7. MAINTENANCE

The REYLAX LED Transformer requires minimal maintenance. Follow these guidelines to ensure its longevity:

- **Cleaning:** Periodically clean the exterior of the transformer with a dry, soft cloth. Do not use liquid cleaners or solvents.
- **Inspection:** Regularly inspect the wiring for any signs of damage, fraying, or loose connections. Address any issues immediately.
- **Environment:** Ensure the operating environment remains within the specified temperature and humidity ranges. Keep the transformer free from dust and debris.
- **No User-Serviceable Parts:** Do not attempt to open or repair the transformer. There are no user-serviceable parts inside. Opening the casing will void the warranty and may pose a safety risk.

## 8. TROUBLESHOOTING

If you encounter issues with your REYLAX LED Transformer, refer to the following common problems and solutions:

| Problem                            | Possible Cause                                                                                                                                                                            | Solution                                                                                                                                                                                                                                                                                                                      |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LED lights do not turn on.         | <ul style="list-style-type: none"><li>• No power to the transformer.</li><li>• Loose or incorrect wiring.</li><li>• Faulty LED lights.</li><li>• Overload protection activated.</li></ul> | <ul style="list-style-type: none"><li>• Check the main power supply and circuit breaker.</li><li>• Verify all AC input and DC output connections are secure and correct.</li><li>• Test LED lights with another known working power source if possible.</li><li>• Reduce the load by disconnecting some LED lights.</li></ul> |
| LED lights flicker or dim.         | <ul style="list-style-type: none"><li>• Overload.</li><li>• Incompatible dimmer switch connected.</li><li>• Loose connections.</li><li>• Faulty LED lights.</li></ul>                     | <ul style="list-style-type: none"><li>• Ensure total wattage is within recommended load (0-12W).</li><li>• <b>Disconnect any dimmer switches. This transformer is not compatible.</b></li><li>• Check all wiring connections.</li><li>• Test LED lights individually.</li></ul>                                               |
| Transformer feels excessively hot. | <ul style="list-style-type: none"><li>• Overload.</li><li>• Insufficient ventilation.</li></ul>                                                                                           | <ul style="list-style-type: none"><li>• Reduce the connected load.</li><li>• Ensure the transformer is in a well-ventilated area, free from obstructions.</li></ul>                                                                                                                                                           |

## 9. WARRANTY & SUPPORT

REYLAX products are manufactured to high-quality standards. For specific warranty details, please refer to the documentation provided at the time of purchase or contact your retailer. If you experience any issues or have questions regarding your REYLAX LED Transformer, please contact customer support through your purchase platform or the official REYLAX website.

Please have your model number (DT-NS24V-15W) and purchase information ready when contacting support.

## ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

### Name

Anonymous

### Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

### Question

Example: How do I reset this device or fix this error?

### Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question