

DEWENWILS HSLT05A

DEWENWILS 300W Wi-Fi Low Voltage Transformer User Manual

Model: HSLT05A

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your DEWENWILS 300W Wi-Fi Low Voltage Transformer. This device is designed to convert 120V AC household current to 12V or 14V AC low voltage, suitable for landscape lighting systems. It features three independent control zones, Wi-Fi connectivity for app and voice control, and various timer functions.

2. SAFETY INFORMATION

- **Electrical Safety:** Always disconnect power before installing or servicing the transformer. Installation should be performed by a qualified electrician or in accordance with local electrical codes.
- **Voltage Compatibility:** Ensure the input voltage matches your power supply (120V AC).
- **Load Capacity:** Do not exceed the maximum 300W output capacity of the transformer. Overloading can cause damage and pose a fire hazard.
- **Overload Protection:** The transformer is equipped with over-current and overload protection. If the current threshold is exceeded, the unit will automatically cut power to prevent damage.
- **Water Exposure:** While the unit is designed for indoor/outdoor use and is waterproof, ensure all connections are secure and protected from direct water spray or submersion.
- **Grounding:** Ensure the transformer is properly grounded according to local electrical codes.

3. PACKAGE CONTENTS

- DEWENWILS 300W Wi-Fi Low Voltage Transformer (Model: HSLT05A)

4. PRODUCT OVERVIEW

The DEWENWILS 300W Wi-Fi Low Voltage Transformer is housed in a durable, weatherproof metal casing. It features a control panel with indicator lights and buttons for manual operation and zone selection. An external antenna is provided for Wi-Fi connectivity.



Figure 4.1: Front view of the DEWENWILS 300W Wi-Fi Low Voltage Transformer, showing the control panel, power cord, and Wi-Fi antenna.

300W Smart Transformer

Multiple Voltages
(12V & 14V AC)

5 Mode settings

-  Schedule
-  Circulate
-  Random
-  Countdown
-  Manual ON/OFF



18AWG

3.3FT

Heavy Duty Cord



Figure 4.2: Diagram illustrating the dimensions of the 300W Smart Transformer, including its height, width, and depth, along with the heavy-duty power cord specifications.

5. INSTALLATION

5.1 Mounting

1. Select a suitable location for wall mounting. The transformer is designed for both indoor (e.g., garages) and outdoor (e.g., patios, gardens) installation.
2. Ensure the location allows for proper ventilation and access to the power outlet and wiring terminals.
3. Securely mount the transformer to a sturdy surface using appropriate hardware.

5.2 Wiring

The transformer features three independent output zones, allowing for separate control of different

landscape lighting systems. Each zone can be set to either 12V AC or 14V AC output.



Figure 5.1: Close-up view of the wiring terminals for the three independent output zones, showing connections for COM, 12V, and 14V for each zone.

- **Before Wiring:** Ensure the transformer is unplugged from the power source.
- **Connect Landscape Lights:** Connect your low voltage landscape lighting wires to the appropriate terminals for each zone (COM, 12V, or 14V).
- **Voltage Selection:** Use the 'Zone' button on the control panel or the app to select between 12V AC and 14V AC output for each zone. 12V is suitable for closer halogen installations, while 14V is recommended for LED fixtures or longer wire runs.
- **Wire Quality:** The transformer is designed for use with high-quality, waterproof wire, typically 100% pure copper for optimal conductivity and reduced heat.

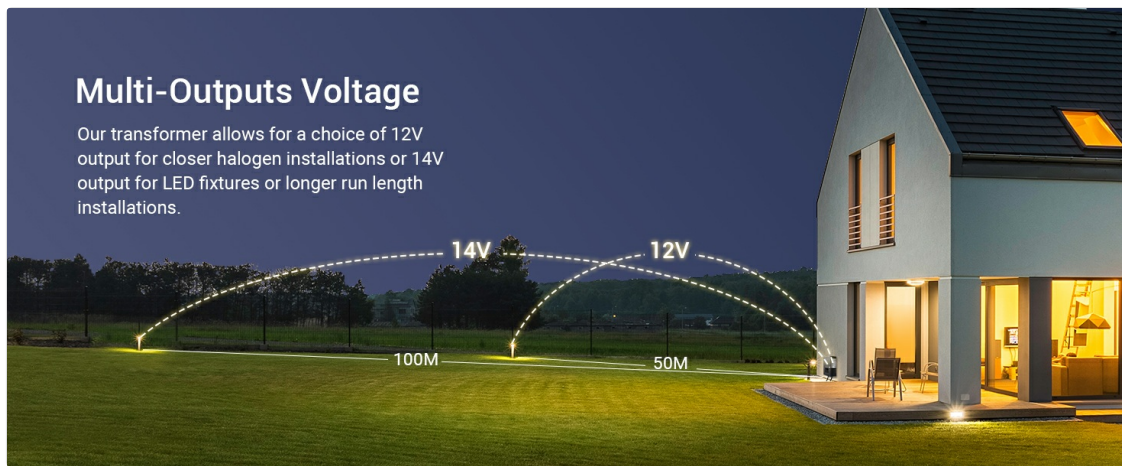


Figure 5.2: Illustration demonstrating the effective range of 12V and 14V outputs for landscape lighting installations, indicating 14V for longer runs.



Figure 5.3: Depiction of high-quality waterproof wire, highlighting its 100% pure copper core for strong electrical conductivity and weather resistance.

5.3 Power Connection

Once wiring is complete, plug the transformer into a standard 120V AC grounded outlet.

6. APP SETUP & WI-FI CONNECTION

The DEWENWILS transformer can be controlled wirelessly via the DEWENWILS App or Smart Life App.

6.1 App Download and Installation

1. Download the "DEWENWILS App" or "Smart Life App" from your smartphone's app store (iOS or Android).
2. Register or log in to your account.

6.2 Wi-Fi Pairing

- **Important:** It is recommended to pair the device to your Wi-Fi network before permanent installation and wiring. Bring the transformer close to your Wi-Fi router for initial setup.
- Ensure your Wi-Fi network is **2.4GHz only**. The transformer does not support 5GHz networks.
- In the app, press the "+" button to add a new device. The app should auto-pair the Wi-Fi

landscape transformer. Follow the on-screen instructions to complete the connection.

- Once connected, you can configure settings and control the transformer from anywhere.

6.3 Voice Control Integration

The transformer is compatible with Alexa and Google Assistant for voice commands.

- Link your DEWENWILS or Smart Life account with your Alexa or Google Home app.
- Follow the instructions within the Alexa or Google Home app to discover and control your landscape lighting.

APP & Voice Control

Use our DEWENWILS APP for seamless WiFi setup and control of your home landscape lighting system.

"Alexa, turn on the light"

"OKay."

* WiFi: 2.4GHz WiFi Only

works with alexa

works with Hey Google

works with DEWENWILS APP

Figure 6.1: The DEWENWILS transformer integrated with smart home systems, showing compatibility with Alexa and Google Assistant via the DEWENWILS App.



Figure 6.2: An illustration of users controlling outdoor landscape lights using simple voice commands through Alexa or Google Assistant.

7. OPERATING INSTRUCTIONS

7.1 Manual Control

The control panel on the transformer allows for basic manual operation:

- **Zone Buttons:** Press the 'Zone' button to cycle through and select the desired output voltage (12V/14V AC) for each of the three independent zones.
- **Manual ON/OFF:** Use the dedicated buttons on the control panel for immediate manual control of the lighting.

7.2 App Control and Timer Functions

The DEWENWILS App provides comprehensive control and scheduling options:

- **Independent Zone Control:** Control each of the three zones separately, allowing for customized lighting schedules and settings for different areas of your landscape.
- **Schedule Mode:** Set specific ON/OFF times for your lights. You can set individual schedules for each zone and repeat them weekly.
- **Circulate Mode:** Program your landscape lights to turn ON/OFF repeatedly during a set period.
- **Random Mode:** This mode switches outdoor landscape lights ON and OFF randomly, which can be used to simulate occupancy when you are away.
- **Countdown Mode:** Set a countdown timer for the lights to turn ON or OFF after a specified duration.
- **Astronomical Mode:** Utilize the app's astronomical timing function to automatically turn lights ON at dusk and OFF at dawn based on your geographical location.

Astronomical Digital Photocell

Use the DEWENWILS APP to achieve a timer or clock setting from dusk to dawn or any combination.



Figure 7.1: A smartphone screen showing the astronomical digital photocell settings within the DEWENWILS App, allowing for dusk-to-dawn or custom timing.



Figure 7.2: The app interface for setting astronomical timing, enabling automatic light control based on sunrise and sunset.

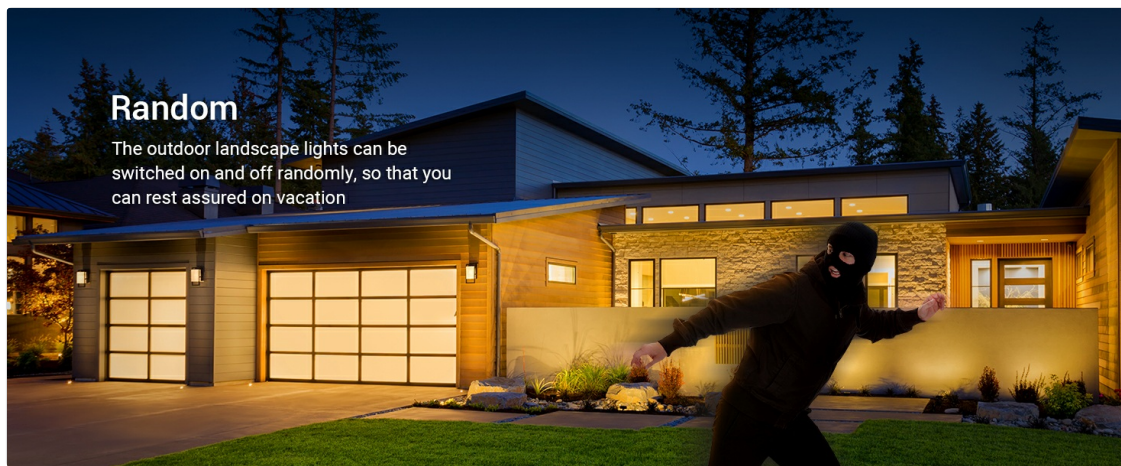


Figure 7.3: An illustration of the random mode, where outdoor landscape lights switch on and off unpredictably to enhance security.



Figure 7.4: A visual representation of the circulate mode, where landscape lights are programmed to turn on and off repeatedly during a set period.

7.3 Memory Function

The transformer includes a memory function. In the event of a power or internet outage, your selected settings and modes are stored on a cloud server, ensuring no data loss and automatic restoration once power/internet is re-established.

7.4 Power Statistics

The DEWENWILS App allows you to view electricity consumption statistics for your landscape lighting system, helping you monitor energy usage.

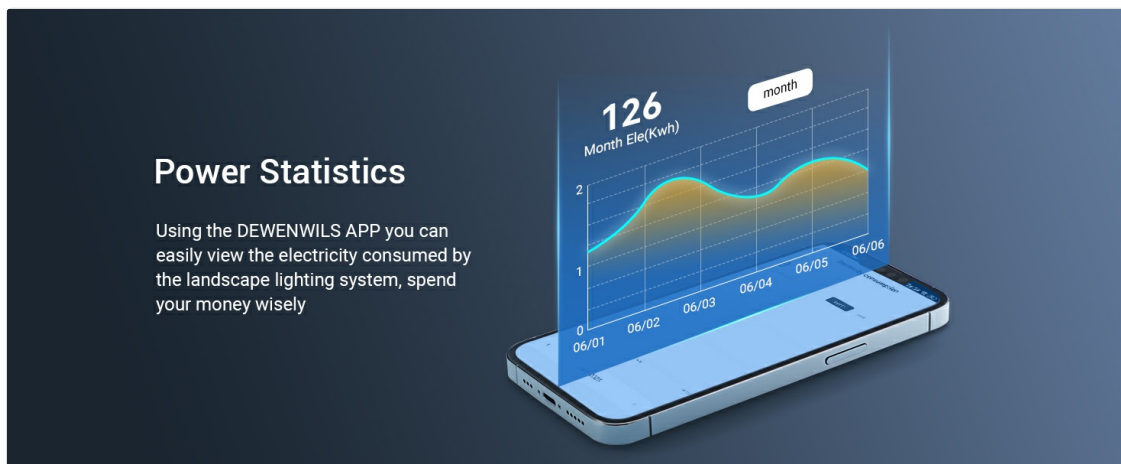


Figure 7.5: A smartphone screen showing the power statistics feature within the DEWENWILS App, which tracks electricity consumption.

8. MAINTENANCE

- **Cleaning:** Periodically clean the exterior of the transformer with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Connection Check:** Regularly inspect all wiring connections to ensure they are secure and free from corrosion.
- **Antenna Care:** The Wi-Fi antenna is removable. If removing for installation, ensure it is

reattached securely. Handle with care to prevent damage.

- **Weather Protection:** Although weatherproof, ensure the unit is not submerged in water and that its enclosure remains sealed.

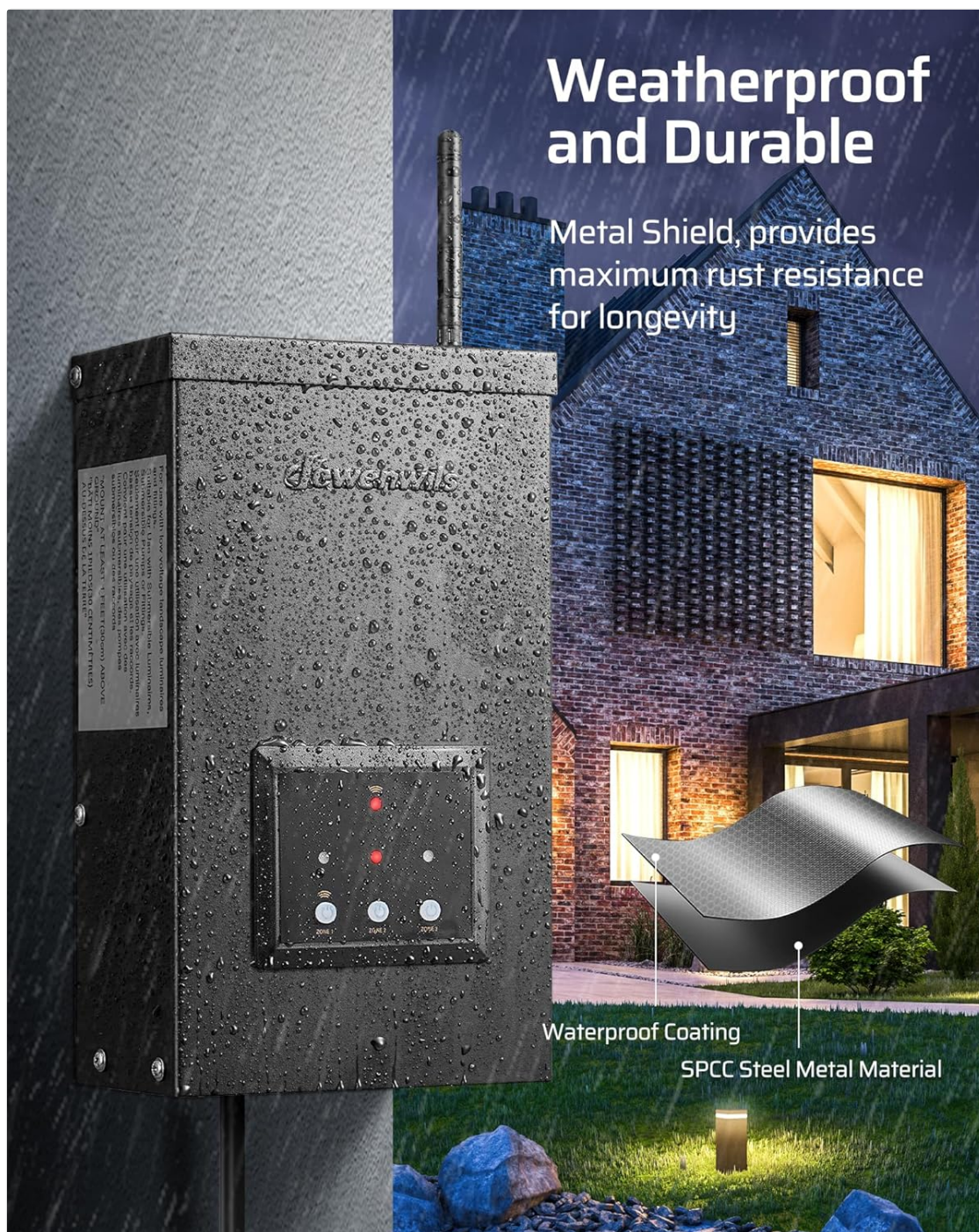


Figure 8.1: The DEWENWILS transformer installed outdoors, demonstrating its weatherproof and durable metal construction with a waterproof coating.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Transformer not powering on.	No power to the outlet; faulty power cord; internal issue.	Check the power outlet with another device. Inspect the power cord for damage. If issues persist, contact support.

Problem	Possible Cause	Solution
Lights not turning on.	Loose wiring connections; incorrect voltage selection; overload protection activated; faulty lights.	Check all wiring connections. Verify correct 12V/14V output selection for the zone. Reduce load if overload protection is active. Test lights individually.
Wi-Fi connection fails or disconnects.	Incorrect Wi-Fi band (5GHz); weak Wi-Fi signal; incorrect password; network changes.	Ensure your router is broadcasting a 2.4GHz Wi-Fi signal. Move the transformer closer to the router during setup. Double-check Wi-Fi password. If network name changed, you may need to reset the transformer and re-pair.
Overload protection frequently activates.	Total wattage of connected lights exceeds 300W.	Calculate the total wattage of your landscape lights. Ensure it does not exceed 300W. Reduce the number of lights or use lower wattage bulbs.

10. SPECIFICATIONS

- **Model Number:** HSLT05A
- **Input Voltage:** 120V AC
- **Output Voltage:** 12V AC / 14V AC (selectable per zone)
- **Max Power Output:** 300W
- **Number of Zones:** 3 Independent Outputs
- **Wi-Fi Frequency:** 2.4GHz (not compatible with 5GHz)
- **Compatibility:** DEWENWILS App, Smart Life App, Alexa, Google Assistant
- **Material:** All-metal, weatherproof housing (SPCC Steel)
- **Protection:** Over-current, Overload, Short Circuit Protection
- **Certifications:** FCC Listed, ETL Listed
- **Mounting Type:** Wall Mount
- **Power Source:** AC
- **Current Rating:** 3 Amps
- **Package Dimensions:** 15.16 x 9.25 x 6.54 inches
- **Item Weight:** 12.99 Pounds

Safe and Reliable

Prevents Overloading & Short Circuit, integrated surge protection, has all the necessary safety features required by FCC certified



ETL Listed



Overload
Protection



Short Circuit
Protection

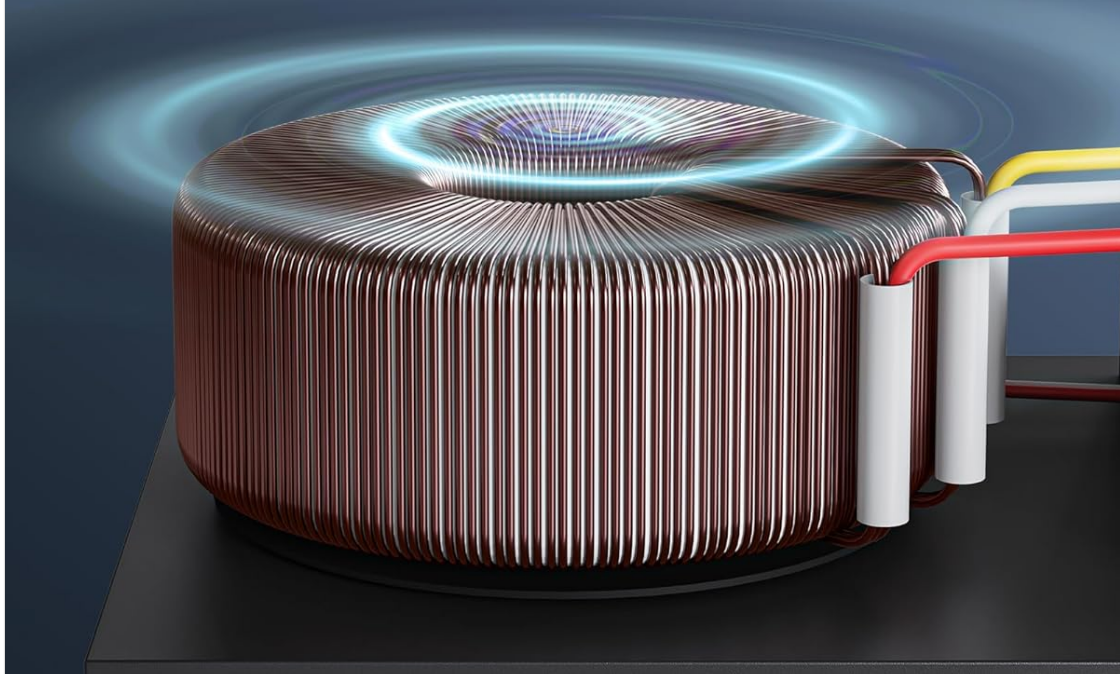
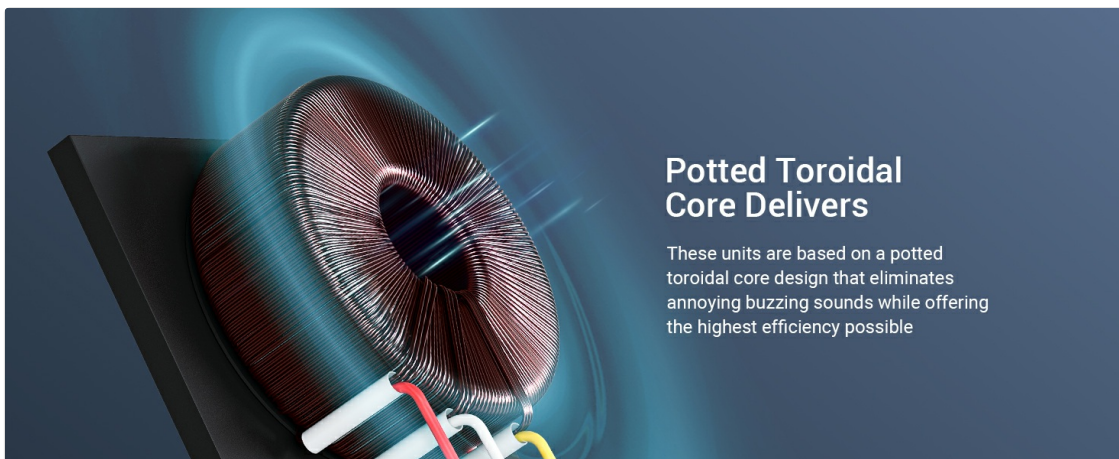


Figure 10.1: Internal components of the transformer, highlighting the potted toroidal core for efficient and quiet operation, along with ETL Listed, Overload Protection, and Short Circuit Protection icons.



Potted Toroidal Core Delivers

These units are based on a potted toroidal core design that eliminates annoying buzzing sounds while offering the highest efficiency possible

Figure 10.2: A detailed view of the potted toroidal core, designed to eliminate buzzing sounds and maximize efficiency.




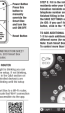
11. WARRANTY AND SUPPORT


For warranty information and technical support, please contact DEWENWILS customer service. Details can typically be found on the product packaging or the official DEWENWILS website.

Manufacturer: DEWENWILS

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Related Documents - HSLT05A

 <p>Dewenwils Low Voltage Transformer SKU: HOSL05C [Instruction Manual]</p> <p>Please pay attention to the warning signs. Read the instructions carefully before operating and use it properly.</p> <p>102819</p>	<p>Dewenwils HOSL05C Low Voltage Transformer Instruction Manual</p> <p>Instruction manual for the Dewenwils HOSL05C Low Voltage Transformer, detailing installation, product layout, circuit breaker information, specifications, and warranty.</p>
 <p>Dewenwils Low Voltage Transformer SKU: HTLT04A [Instruction Manual]</p> <p>Please pay attention to the warning signs. Read the instructions carefully before operating and use it properly.</p> <p>102821</p>	<p>Jewenwils Low Voltage Transformer HTLT04A: User Manual & Installation Guide</p> <p>Comprehensive user manual and installation guide for the Jewenwils HTLT04A Low Voltage Transformer. Learn about setup, app control, timer functions, and troubleshooting for your outdoor landscape lighting system.</p>
 <p>Dewenwils Wi-Fi Low Voltage Transformer SKU: HOSL05D [Instruction Manual]</p> <p>Thank you for your purchase. Please contact us if you have any questions, we will get back to you within 24 hours. Email: support@dewenwils.com Please attach your Order ID so that we can serve you better.</p>	<p>Dewenwils Wi-Fi Low Voltage Transformer HOSL05D Instruction Manual & Installation Guide</p> <p>Comprehensive instruction and installation manual for the Dewenwils Wi-Fi Low Voltage Transformer (SKU: HOSL05D). Learn how to connect, install, and operate your outdoor landscape lighting system with smart Wi-Fi control via the ECO app.</p>
 <p>Dewenwils Outdoor Wi-Fi Smart Box SKU: HOSL05D [Instruction Manual]</p>	<p>Dewenwils Outdoor Wi-Fi Smart Box Installation and User Guide</p> <p>Comprehensive guide for installing and using the Dewenwils Outdoor Wi-Fi Smart Box, including setup, programming, and troubleshooting.</p>

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<div data-bbox="127 427 220 445">dewenwils</div> <div data-bbox="158 508 266 542">SMART Wi-Fi PLUG [Instruction Manual]</div> <div data-bbox="150 620 271 663"><p>Thank you for your purchase. Please contact us if you have any problem. Email: Service@dewenwils.com Please attach your User Name or Order ID so that we can assist you better.</p></div>	<div data-bbox="341 477 904 506">Dewenwils SMART Wi-Fi Plug Instruction Manual</div> <div data-bbox="341 517 1439 627"><p>Instruction manual for the Dewenwils SMART Wi-Fi Plug, covering product layout, specifications, software installation, device registration, connection process, integration with Amazon Alexa and Google Home, and multi-functional timer settings.</p></div>