

CORONA LIGHTING T-MT1200-TP

Corona T-MT1200-TP 1200W 12-15V Quad Circuit Transformer User Manual

Model: T-MT1200-TP

1. INTRODUCTION

This manual provides essential instructions for the safe installation, operation, and maintenance of your Corona T-MT1200-TP 1200W, 12-15V, Quad Circuit Transformer. This unit is designed for low-voltage landscape lighting systems, featuring a robust stainless steel enclosure, a built-in plug-in timer, and a photocell for automated operation. Please read this manual thoroughly before installation and retain it for future reference.



This image displays the Corona T-MT1200-TP low-voltage transformer. The unit is shown with its protective lid open, revealing the internal wiring terminals, circuit breakers, and controls for the integrated timer and photocell. The power cord is visible on the right side. The enclosure is made of stainless steel, designed for outdoor use.

2. SAFETY INFORMATION

Always observe the following safety precautions to reduce the risk of fire, electric shock, or injury to persons:

- **Read all instructions:** Before installing or using this transformer, read and understand all safety and operating instructions.
- **Grounding:** This transformer must be connected to a properly grounded, Ground Fault Circuit Interrupter (GFCI) protected receptacle.
- **Outdoor use:** This unit is designed for outdoor use. Ensure all connections are watertight and protected from moisture.
- **Power Disconnection:** Always disconnect power at the circuit breaker or unplug the transformer before performing any installation, maintenance, or service.

- **Load Capacity:** Do not exceed the maximum wattage rating of 1200W. Overloading the transformer can cause overheating and damage.
- **Wiring:** Use only approved low-voltage cable suitable for outdoor direct burial or landscape lighting applications. Ensure proper gauge wire is used for the total wattage and length of the cable run.
- **Installation:** Mount the transformer at least 1 foot (0.3 meters) above ground level to prevent water damage.
- **Servicing:** Refer all servicing to qualified service personnel. Do not attempt to repair the unit yourself.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Corona T-MT1200-TP 1200W Quad Circuit Transformer
- User Manual

4. SETUP

4.1 Mounting the Transformer

1. Select a suitable outdoor location near a GFCI-protected 120V AC outlet. The location should be protected from direct impact and excessive moisture.
2. Mount the transformer vertically on a sturdy surface (e.g., wall, post) using appropriate screws or fasteners (not included). Ensure the unit is mounted at least 1 foot (0.3 meters) above ground level.
3. Allow adequate ventilation around the unit.

4.2 Wiring Low-Voltage Lighting

The T-MT1200-TP features four independent low-voltage circuits (Quad Circuit) with output terminals for 12V and 15V. This allows for flexible voltage distribution and helps compensate for voltage drop on longer cable runs.

1. Ensure the transformer is unplugged from the power source.
2. Open the transformer's protective lid.
3. Strip approximately 1/2 inch (1.2 cm) of insulation from the ends of your low-voltage landscape lighting cables.
4. Connect the common wire (usually ribbed or marked) from your lighting system to the 'COMMON' terminal on one of the four circuits.
5. Connect the other wire from your lighting system to either the '12V' or '15V' terminal for that circuit, depending on your lighting requirements and cable run length. For longer runs or higher wattage loads, 15V may be preferred to mitigate voltage drop.
6. Tighten the terminal screws securely to ensure good electrical contact.
7. Repeat for all four circuits, ensuring the total wattage connected to each circuit and the entire transformer does not exceed the rated capacity.
8. Route all low-voltage cables neatly and securely, ensuring they do not interfere with the transformer's lid or internal components.

4.3 Connecting to Power

The transformer comes with a pre-attached power cord for easy connection.

1. Ensure all low-voltage wiring is complete and secure.
2. Plug the transformer's power cord into a GFCI-protected 120V AC outdoor receptacle.

5. OPERATING INSTRUCTIONS

The T-MT1200-TP features an integrated plug-in timer and photocell for automatic operation of your lighting system.

5.1 Timer Operation

The plug-in timer allows you to set specific ON/OFF times for your lighting. Refer to the separate instructions provided with the plug-in timer for detailed programming steps. Typically, timers allow for daily or weekly programming.

5.2 Photocell Operation

The photocell automatically turns your lights ON at dusk and OFF at dawn. This feature provides energy efficiency and convenience.

- **Activation:** Ensure the photocell is not obstructed by objects, shadows, or artificial light sources (e.g., porch lights) that could interfere with its ability to detect ambient light levels.
- **Override:** Some plug-in timers may have an override function that allows you to temporarily bypass the photocell or timer settings. Consult your timer's manual for details.

5.3 Manual Operation

If the timer or photocell is not desired, the transformer can be operated manually by plugging and unplugging the unit, or by using any manual override switch present on the timer itself.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your transformer.

- **Cleaning:** Periodically clean the exterior of the transformer with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the photocell lens is clean and free of debris.
- **Inspection:** Annually inspect all wiring connections for corrosion or damage. Ensure the transformer's lid is securely closed and sealed. Check the power cord for any signs of wear or damage.
- **Ventilation:** Ensure that the ventilation openings on the transformer are not blocked by dirt, leaves, or other debris.

7. TROUBLESHOOTING

If your lighting system is not functioning correctly, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Lights do not turn ON.	No power to transformer. Faulty GFCI outlet. Timer/Photocell setting. Loose wiring connection. Overloaded circuit. Blown fuse/tripped breaker.	Check if transformer is plugged in. Reset GFCI outlet. Verify timer/photocell settings. Inspect and tighten all wiring. Reduce total wattage load. Check internal circuit breakers (if applicable) or replace fuse.

Problem	Possible Cause	Solution
Lights flicker or are dim.	Voltage drop due to long cable run or undersized wire. Loose connection. Overloaded circuit.	Use 15V output terminals. Use heavier gauge wire. Inspect and tighten all wiring. Reduce total wattage load.
Photocell not working correctly.	Photocell obstructed or exposed to artificial light. Faulty photocell.	Clear obstructions. Relocate transformer if necessary. Contact customer support for replacement.
Timer not working correctly.	Incorrect programming. Power interruption. Faulty timer.	Refer to timer's specific instructions for reprogramming. Reset timer after power outage. Contact customer support for replacement.

If you are unable to resolve an issue after following these steps, please contact customer support.

8. SPECIFICATIONS

Feature	Detail
Model Number	T-MT1200-TP
Part Number	T-MT1200-TP
Input Voltage	120V AC, 60Hz
Output Voltage	12V / 15V AC
Maximum Wattage	1200W
Circuits	Quad Circuit (4 independent circuits)
Enclosure Material	Stainless Steel
Features	Plug-In Timer, Photocell

9. WARRANTY AND SUPPORT

This Corona Lighting product is backed by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Corona Lighting website. For technical support, replacement parts, or further assistance, please contact Corona Lighting customer service.

Customer Support: Please refer to the contact information provided on the product packaging or the official Corona Lighting website.

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