

TG TS-C4H-WSP-N

TG 4 Hour Countdown Timer Switch

INSTRUCTION MANUAL

Model: TS-C4H-WSP-N

Product Overview

The TG 4 Hour Countdown Timer Switch is designed to provide convenient and energy-efficient control over various electrical loads such as lights, bathroom exhaust fans, and heaters. This switch features multiple preset countdown options and an LED indicator for ease of use and visibility.

- **Countdown Timer Function:** Allows setting a specific time duration after which the connected device will automatically turn off.
- **Preset Options:** Includes 5 min, 10 min, 30 min, 60 min, 2 hour, and 4 hour time lapse settings.
- **LED Indicator:** Features two modes for the blue LED light: flashes twice upon setting success then turns off, or stays on during the selected time delay.
- **Energy Saving:** Helps prevent energy waste by automatically turning off devices in unoccupied rooms.
- **Compatibility:** Suitable for incandescent (1000W), fluorescent (1200VA), and motor ($\frac{1}{2}$ HP) loads.
- **Neutral Wire Required:** Installation requires a neutral wire.
- **Included:** Comes with a screwless wall plate for a clean aesthetic.

Safety Information

Before installation or operation, please read and understand all safety instructions. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **WARNING:** To avoid fire, shock, or death, turn off power at the circuit breaker or fuse box and test that the power is off before wiring.
- This device must be installed in accordance with all national and local electrical codes.
- Use only copper or copper clad wire. Do not use aluminum wire.

- Operating Temperature: 32°F to 131°F (0°C to 55°C). Humidity: 95%RH, non-condensing.

Setup and Installation

This section provides instructions for installing your TG Countdown Timer Switch. A neutral wire is required for proper operation.



Figure 1: Front view of the TG 4 Hour Countdown Timer Switch. This image shows the six preset buttons (5 min, 10 min, 30 min, 60 min, 2 hour, 4 hour) and the manual ON/OFF button at the bottom.

Wiring Diagram (Typical)

The TG Countdown Timer Switch requires a neutral wire connection. Please consult a qualified electrician if you are unsure about the wiring process.

1. **Turn Off Power:** Locate the circuit breaker controlling the switch location and turn it OFF. Verify power is off using a voltage tester.
2. **Remove Old Switch:** Carefully remove the existing wall plate and switch from the electrical box. Disconnect the wires.
3. **Identify Wires:** Identify the LINE (hot), LOAD, NEUTRAL, and GROUND wires. The neutral wire is typically white.
4. **Connect Wires:**
 - Connect the LINE wire to the switch's LINE terminal.
 - Connect the LOAD wire to the switch's LOAD terminal.
 - Connect the NEUTRAL wire to the switch's NEUTRAL terminal.
 - Connect the GROUND wire to the switch's GROUND terminal.
5. **Mount Switch:** Carefully push the wired switch into the electrical box. Secure it with screws.
6. **Install Wall Plate:** Attach the screwless wall plate over the switch.
7. **Restore Power:** Turn the power back ON at the circuit breaker.

AUTOMATICALLY TURN THE LOAD OFF

No worry about forgetting



Figure 2: Diagram showing the components of the TG Countdown Timer Switch, including the time selection buttons, LED indicator, push ON/OFF button, and the screwless wall plate. This helps in identifying parts during installation and operation.

Operating Instructions

Operating the TG Countdown Timer Switch is straightforward. Follow these steps to utilize its features.

Setting a Countdown Timer

1. **Select Time:** Press one of the six preset buttons (5 min, 10 min, 30 min, 60 min, 2 hour, 4 hour) to activate the countdown timer. The corresponding LED indicator will illuminate.
2. **Confirmation:** The blue LED light will flash twice to indicate that the setting has been successfully applied.
3. **Automatic Shut-off:** The connected load will remain ON for the selected duration and then automatically turn OFF.

Manual ON/OFF Operation

- **To Turn ON:** Press the large manual ON/OFF button at the bottom of the switch.
- **To Turn OFF:** Press the manual ON/OFF button again. This will override any active countdown timer.

LED Indicator Modes

The LED indicator provides visual feedback on the switch's status.

- **Mode 1 (Default):** The blue LED light flashes twice upon setting a timer, then turns off. This mode is suitable for areas where continuous light is not desired.
- **Mode 2 (Always On):** The LED stays illuminated during the entire selected time delay. This mode can be useful for easy locating of the switch in the dark. Refer to the product packaging or manufacturer's website for instructions on how to switch between LED modes if this feature is configurable.

Two Mode LED Indicator

LED indicators can be set to stay on or flash twice and shut off



Figure 3: Illustration of the two-mode LED indicator. The LED can be set to stay on or flash twice and shut off, aiding in locating the switch in low-light conditions.



Figure 4: Examples of wide applicability, showing the timer switch installed in a hallway and a pantry. This demonstrates its versatility for various household applications.

Maintenance

The TG Countdown Timer Switch is designed for long-lasting performance with minimal maintenance. Follow these guidelines to keep your switch in optimal condition:

- **Cleaning:** To clean the switch and wall plate, gently wipe with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these may damage the finish or internal components.
- **Inspection:** Periodically inspect the switch for any signs of damage, loose connections, or unusual operation. If any issues are observed, turn off power at the circuit breaker and consult a qualified electrician.
- **No User-Serviceable Parts:** The internal components of the switch are not user-serviceable. Do not attempt to open or repair the device.

Troubleshooting

If you encounter issues with your TG Countdown Timer Switch, refer to the following common problems and their solutions:

Problem	Possible Cause	Solution
Switch does not turn ON/OFF.	No power to the switch; incorrect wiring; faulty switch.	Check circuit breaker. Verify wiring connections are secure and correct (LINE, LOAD, NEUTRAL, GROUND). If problem persists, consult an electrician.
Countdown timer does not activate or turns off prematurely.	Incorrect timer selection; power interruption; incompatible load.	Ensure the desired time button is pressed firmly. Check for stable power supply. Verify the connected load (wattage/HP) is within the switch's specifications.
LED indicator is not working.	LED mode setting; internal fault.	Check if the LED mode is set to "flash twice then off". If the switch functions otherwise, the LED might be faulty.
Switch feels warm.	Normal operation; overloaded circuit.	A slight warmth during operation is normal. If the switch is excessively hot, immediately turn off power and check the load connected to ensure it does not exceed the switch's maximum ratings.

If troubleshooting steps do not resolve the issue, please contact TG customer support.

Specifications

Specification	Value
Model Number	TS-C4H-WSP-N
Product Dimensions	2.75 x 1.7 x 1.47 inches; 5.29 ounces
Operating Voltage	120 VAC, 60 Hz
Current Rating	15 Amps
Incandescent Load	1000W
Fluorescent Load	1200VA
Motor Load	½HP
Operation Mode	ON-OFF

Specification	Value
Contact Type	Normally Open
Connector Type	Wire Leads
Terminal	Screw
Circuit Type	1-way
Contact Material	Copper, Brass
Operating Temperature	32°F to 131°F (0°C to 55°C)
Humidity	95%RH, non-condensing

Warranty and Support

TG products are manufactured to high quality standards. For specific warranty information, please refer to the documentation included with your product or visit the official TG website.

For technical support, troubleshooting assistance, or to inquire about warranty claims, please contact TG customer service:

- **Online Support:** Visit the [TG Store on Amazon](#) for product information and support resources.
- **Manufacturer:** TG

Please have your model number (TS-C4H-WSP-N) and purchase date available 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