Westek TM101

Westek TM101 Hardwire Indoor Mechanical Timer Switch User Manual

Model: TM101 | Brand: Westek

Product Overview

The Westek Heavy Duty Indoor Mechanical Timer Switch (Model TM101) is designed for robust timing applications. Its sturdy steel housing provides durability and features a lockable design to prevent tampering. This timer switch offers extensive programming flexibility with 48 ON and 48 OFF settings, allowing for precise control of connected devices. Programming is tool-free, and the non-removable pins ensure that settings are not lost. It is suitable for a variety of heavy-duty applications including pools, spas, fountains, water heaters, outdoor lighting, signs, and commercial uses.



Image: Front view of the Westek TM101 Hardwire Indoor Mechanical Timer Switch, showcasing its gray metal enclosure.

Key Features

- **Electrical Ratings:** 125V, SPST (Single Pole, Single Throw), 40 AMP.
- **Switch Positions:** Features a 3-position ON/OFF timer switch.
- **Programming Flexibility:** Offers 15-minute increments for maximum programming precision.
- **Durability:** Designed to withstand extreme temperatures.
- **Indicators:** Equipped with LED indicator lights for operational status.
- **Security:** Sturdy steel housing is lockable to prevent unauthorized access.
- **Ease of Use:** Tool-free programming with non-removable pins.

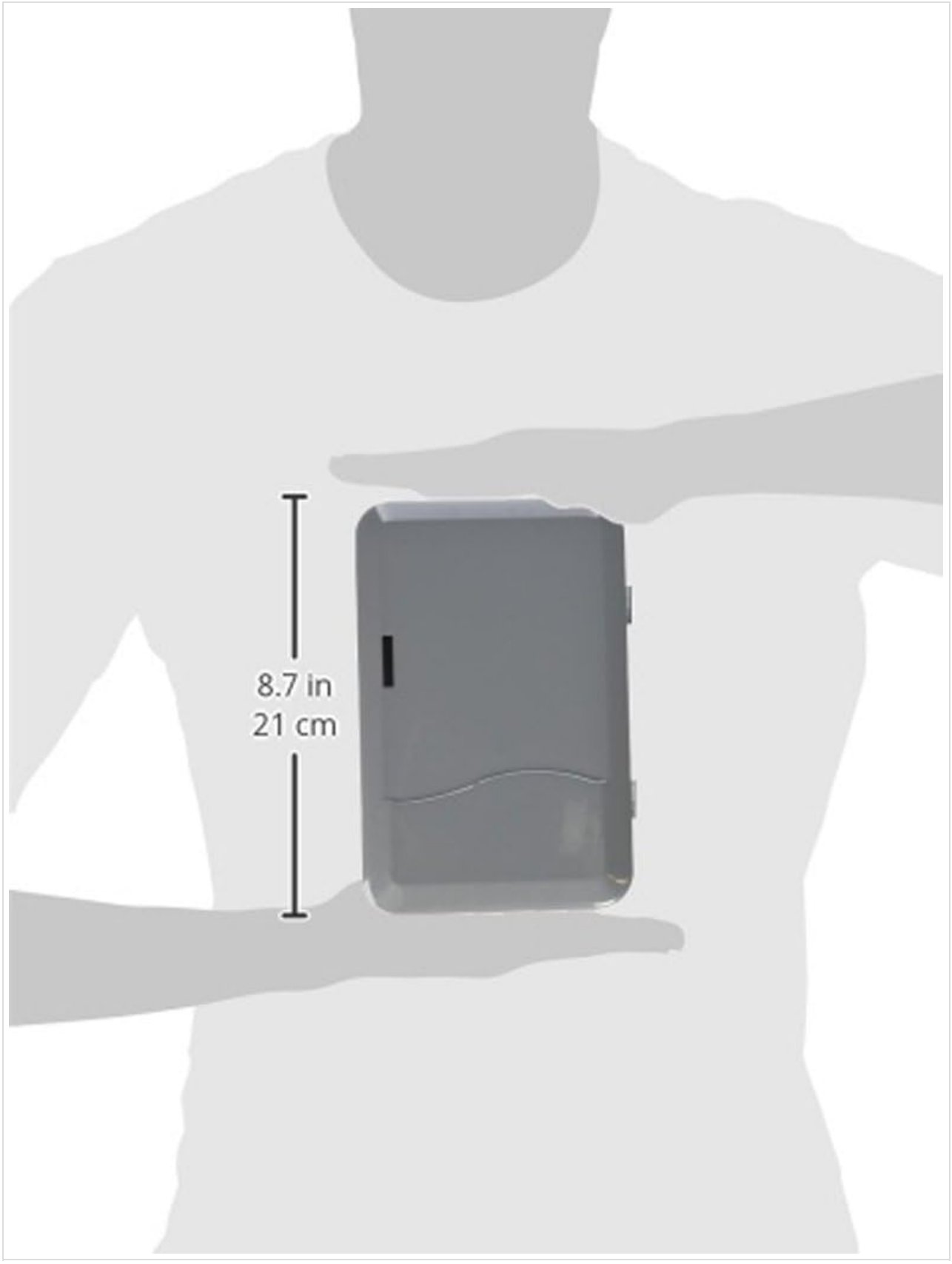


Image: The Westek TM101 timer switch held in hands, illustrating its approximate size (8.7 inches / 21 cm in height).

Safety Information

WARNING: Risk of electric shock. Installation should only be performed by a qualified electrician or licensed professional. Disconnect power at the circuit breaker or fuse box before installation or servicing. Follow all local and national electrical codes.

- Do not exceed the specified electrical ratings (125V, 40 AMP).

- Ensure proper grounding.
- Keep the enclosure securely closed and locked after installation.
- Do not immerse in water or expose to excessive moisture.

Installation (Hardwire)

This device is designed for hardwire installation. It is recommended that installation be performed by a qualified electrician.

1. **Prepare for Installation:**
   - Turn OFF power to the circuit at the main service panel (circuit breaker or fuse box) before beginning installation.
   - Verify that power is off using a voltage tester.
2. **Mount the Timer Switch:**
   - Select a suitable location for mounting the timer switch. The location should be dry, protected from direct weather exposure, and easily accessible for programming.
   - Secure the timer switch enclosure to a wall or sturdy surface using appropriate mounting hardware (not included).
3. **Wire the Timer Switch:**
   - Open the timer switch enclosure.
   - Connect the incoming power supply wires (LINE) to the designated terminals inside the timer switch.
   - Connect the wires leading to the appliance or lighting fixture (LOAD) to the designated terminals.
   - Ensure all connections are secure and comply with local electrical codes.
   - Properly ground the timer switch according to electrical standards.
4. **Close and Secure:**
   - Carefully arrange wires inside the enclosure to avoid pinching.
   - Close the enclosure cover and secure it. The sturdy steel housing is designed to be lockable for added security.
5. **Restore Power:**
   - Once installation is complete and verified, restore power at the main service panel.
   - The LED indicator lights on the timer switch should illuminate, indicating power is supplied.

Operation and Programming

The Westek TM101 timer switch features a mechanical dial with non-removable pins for programming. It offers 48 ON and 48 OFF settings, allowing for precise 15-minute interval control.

1. **Set Current Time:**
   - Rotate the outer dial clockwise until the current time aligns with the "TIME NOW" arrow or indicator. The dial represents a 24-hour cycle.
2. **Program ON/OFF Times:**
   - The dial is segmented into 15-minute intervals, each represented by a push-pin.
   - To set an "ON" period, push the pins outwards for the desired duration.
   - To set an "OFF" period, push the pins inwards for the desired duration.
   - Each pin represents 15 minutes. For example, to set a 1-hour ON period, push out 4 consecutive pins.
   - Ensure that the pins are fully pushed in or out for reliable operation.

3. **Select Operating Mode (3-Position Switch):**
    - Locate the 3-position switch on the timer.
    - **"ON":** Keeps the connected device continuously ON, overriding the timer settings.
    - **"TIMER":** Activates the programmed ON/OFF schedule.
    - **"OFF":** Keeps the connected device continuously OFF, overriding the timer settings.

The timer will cycle through the programmed ON/OFF periods daily. The non-removable pins ensure that your settings are retained even during power outages.

Maintenance

- **Cleaning:** Wipe the exterior of the timer switch with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically inspect the wiring connections to ensure they remain secure.
- **Environmental Conditions:** Ensure the timer is not exposed to conditions outside its operating temperature range or excessive humidity.

Troubleshooting

Problem	Possible Cause	Solution
Timer does not turn ON/OFF at programmed times.	1. Incorrect current time setting. 2. Pins not fully pushed in/out. 3. Operating mode switch set to "ON" or "OFF". 4. No power to the unit.	1. Re-align the current time with the "TIME NOW" indicator. 2. Ensure all pins are fully engaged (in or out) for desired intervals. 3. Set the operating mode switch to "TIMER". 4. Check circuit breaker/fuse and wiring connections.
Connected device does not receive power.	1. No power to the timer. 2. Incorrect wiring. 3. Timer is in an "OFF" cycle or "OFF" mode.	1. Check power supply to the timer. Verify LED indicators are lit. 2. Consult a qualified electrician to verify wiring. 3. Check programmed schedule or switch to "ON" mode temporarily.
Timer makes unusual noises.	Internal mechanical issue.	Discontinue use and contact Westek customer support. Do not attempt to repair.

Specifications

Manufacturer	Westek
Part Number	TM101
Item Model Number	TM101
Item Weight	2.2 pounds
Package Dimensions	8.9 x 6.4 x 4.1 inches
Color	Gray

Material	Steel
Mounting Type	Wall Mount
Switch Style	SPST
Voltage Rating	125V
Amperage Rating	40 AMP
Programming Increments	15 minutes
First Available Date	December 8, 2009

Warranty and Support

The Westek TM101 Mechanical Timer Switch comes with a**1-Year Limited Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.
For warranty claims, technical support, or further assistance, please contact Westek Customer Service. Refer to the official Westek website or your purchase documentation for the most current contact information.
Please retain your proof of purchase for warranty purposes.

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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.

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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