

PS-TECH Mechanical 24-Hour Outdoor Timer IP44

PS-TECH 24-Hour Mechanical Outdoor Timer User Manual

Model: Mechanical 24-Hour Outdoor Timer IP44

1. INTRODUCTION

Thank you for choosing the PS-TECH 24-Hour Mechanical Outdoor Timer. This analog plug-in timer is designed for outdoor use, featuring IP44 protection against splashing water and solid objects larger than 1mm. It allows for daily programming with a minimum interval of 30 minutes, making it ideal for controlling lights, pumps, and other electrical appliances. This manual provides detailed instructions for safe operation, setup, programming, and maintenance.

2. SAFETY INFORMATION

- Read all instructions carefully before use.
- This timer is designed for outdoor use with IP44 protection. Ensure the protective cover for the socket is securely closed when not in use or during operation in wet conditions.
- Do not immerse the timer in water or expose it to direct water jets.
- Ensure the total load of connected devices does not exceed the maximum rating of 3680W (16A resistive load).
- Always plug the timer into a grounded outlet.
- Do not open or attempt to repair the timer. Refer all servicing to qualified personnel.
- Keep out of reach of children.
- Unplug the timer from the power outlet before cleaning or when not in use for extended periods.

3. PRODUCT OVERVIEW

The PS-TECH outdoor timer features a robust design suitable for various environments. Key components include:

- **24-Hour Dial:** Used for setting the current time and programming on/off cycles.

- **Programming Segments (Pins):** 48 push-down segments around the dial, each representing 30 minutes.
- **Manual Override Switch:** Allows selection between ON, OFF, and AUTO modes.
- **European Schuko Plug:** For connecting the timer to a power outlet.
- **Schuko Socket with Protective Cover:** For connecting your appliance, protected by an IP44 rated cover.





Figure 3.1: Front view of the PS-TECH 24-Hour Mechanical Outdoor Timer, showing the 24-hour dial and the protective top cover.





Figure 3.2: Angled view of the timer, highlighting its compact design and the IP44 rated top cover.



Figure 3.3: Side view of the timer, showing the European Schuko plug for power connection.



Figure 3.4: The timer with its protective socket cover open, revealing the internal Schuko socket for appliance connection.

4. SETUP

Follow these steps for initial setup:

1. **Unpack:** Carefully remove the timer from its packaging.
2. **Set Current Time:** Rotate the 24-hour dial clockwise until the arrow on the inner ring points to the current time. The dial is marked from 1 to 24 hours.
3. **Program On/Off Cycles:** Push down the segments (pins) corresponding to the times you want the connected appliance to be ON. Each segment represents 30 minutes. If a segment is pushed down, the appliance will be ON during that 30-minute interval. If it's up, the appliance will be OFF.
4. **Set Manual Override Switch:** Locate the switch on the side of the timer. Set it to 'AUTO' for programmed operation. You can temporarily switch to 'ON' for continuous power or 'OFF' to cut power, overriding the program.
5. **Plug In:** Insert the timer's plug into a suitable outdoor-rated, grounded power outlet.
6. **Connect Appliance:** Open the protective cover of the timer's socket and plug in the appliance you wish to control. Ensure the appliance's power consumption does not exceed the timer's maximum rating. Close the protective cover securely.

5. OPERATING INSTRUCTIONS

5.1 Setting the Time

The timer's dial continuously rotates. To set the current time, simply turn the entire dial clockwise until the current hour aligns with the arrow indicator. For example, if it's 3 PM, align the '15' mark with the arrow.

5.2 Programming On/Off Cycles

The outer ring of the dial has 48 segments. Each segment represents a 30-minute interval. To program the timer:

- **To turn ON:** Push down the segments corresponding to the time periods when you want the connected appliance to be active.
- **To turn OFF:** Leave the segments in the 'up' position for the time periods when you want the connected appliance to be inactive.

The timer will activate the connected appliance when the dial rotates to a 'pushed down' segment and deactivate it when it rotates to an 'up' segment.

5.3 Manual Override Switch (ON/OFF/AUTO)

The manual override switch provides flexibility:

- **ON:** The connected appliance will remain continuously ON, overriding any set program.
- **OFF:** The connected appliance will remain continuously OFF, overriding any set program.
- **AUTO:** The timer will operate according to the programmed ON/OFF cycles set on the dial. This is the standard operating mode for automated control.

6. MAINTENANCE

- **Cleaning:** Disconnect the timer from the power outlet before cleaning. Wipe the timer with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Storage:** When not in use, store the timer in a dry, cool place, away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically inspect the timer and its cord for any signs of damage. Do not use if damaged.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Appliance does not turn ON/OFF as programmed.	<ul style="list-style-type: none">• Timer not plugged in.• Appliance not plugged into timer.• Manual override switch not set to AUTO.• Segments not pushed down/up correctly.• Current time not set correctly.• Power outage.	<ul style="list-style-type: none">• Ensure timer is securely plugged into a live outlet.• Ensure appliance is securely plugged into the timer.• Set the manual override switch to 'AUTO'.• Verify that the correct segments are pushed down for ON times and up for OFF times.• Adjust the dial to the current time.• Check household circuit breaker.
Timer dial is not rotating.	<ul style="list-style-type: none">• Timer not receiving power.• Internal mechanical issue.	<ul style="list-style-type: none">• Check power outlet and connections.• If still not rotating, the unit may be faulty. Do not attempt to repair.
Appliance remains continuously ON or OFF.	Manual override switch is not in AUTO mode.	Set the manual override switch to 'AUTO'.

8. SPECIFICATIONS

Feature	Detail
Brand	PS-TECH

Feature	Detail
Model	Mechanical 24-Hour Outdoor Timer
Color	Black
Material	Plastic
Power Supply	230VAC, 50 Hz
Max. Power / Resistive Load	3680W / 16A
Programming Interval	30 minutes (48 segments)
Protection Rating	IP44 (Splash-proof, protected against solid objects > 1mm)
Product Weight	10 g
Package Dimensions	16.1 x 8.6 x 5.8 cm
ASIN	B09FLS1SJC

9. WARRANTY AND SUPPORT

PS-TECH products are manufactured to high-quality standards. For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official PS-TECH website. Do not attempt to open or repair the device yourself, as this may void the warranty and pose a safety risk.