

Intermatic T174

Intermatic T174 DPST 24 Hour Time Switch Instruction Manual

Model: T174

INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the Intermatic T174 DPST 24 Hour Time Switch. This electromechanical timer is designed for controlling electrical loads over a 24-hour period.



Image: Intermatic T174 DPST 24 Hour Time Switch. This image shows the front view of the timer with its gray metal enclosure and the dial for setting time.

Safety Information

WARNING: Risk of electric shock. Installation and servicing must be performed by qualified personnel only. Disconnect power at the circuit breaker or fuse box before installing or servicing the timer.

- Always follow local electrical codes and regulations.
- Ensure the power supply matches the timer's voltage rating (208-277V AC).
- Do not exceed the maximum current and horsepower ratings of the timer.
- This device is intended for indoor use in a Type 1 enclosure.

Package Contents

The Intermatic T174 Time Switch package typically includes:

- One (1) Intermatic T174 Time Switch Unit
- Instruction Guide

- Two (2) Trippers for setting ON/OFF times

SETUP AND INSTALLATION

The Intermatic T174 is designed for fixed installation. Proper wiring is crucial for safe and correct operation.

Mounting

1. Choose a suitable indoor location for mounting the timer, ensuring it is protected from moisture and extreme temperatures.
2. Securely mount the timer's enclosure to a wall or suitable surface using appropriate fasteners.

Wiring (DPST Configuration)

The T174 features a Double Pole, Single Throw (DPST) contact form, meaning it controls two independent circuits or a single 2-pole circuit simultaneously.

1. **DISCONNECT ALL POWER** to the circuit at the main service panel before proceeding.
2. Open the timer's enclosure.
3. Connect the incoming power lines (L1 and L2 for 208-277V AC) to the designated "LINE" terminals on the timer.
4. Connect the load wires (to the device being controlled) to the designated "LOAD" terminals. Ensure correct polarity if applicable.
5. Ensure all wire connections are tight and secure.
6. Close the timer's enclosure securely.
7. Restore power to the circuit.

Consult a qualified electrician if you are unsure about any wiring procedures.

OPERATING INSTRUCTIONS

The T174 uses a mechanical dial and trippers to set the ON/OFF schedule.

Setting the Current Time

1. Rotate the timer dial clockwise until the current time aligns with the "TIME SET" arrow or indicator on the timer mechanism.
2. Ensure AM/PM is correctly observed if the dial has such markings.

Setting ON/OFF Times

The timer comes with two trippers: one "ON" tripper and one "OFF" tripper. Additional trippers can be purchased separately (Extra Trippers 11Z965).

1. Locate the "ON" tripper (typically silver or light-colored) and the "OFF" tripper (typically black or dark-colored).
2. Snap the "ON" tripper onto the dial at the desired time you want the connected device to turn ON.
3. Snap the "OFF" tripper onto the dial at the desired time you want the connected device to turn OFF.
4. You can set up to 12 ON/OFF cycles per 24-hour period using additional trippers. The minimum time setting is 1 hour.

Manual Override

The T174 typically includes a manual override switch or lever. This allows you to temporarily turn the connected device ON or OFF without affecting the programmed schedule. Refer to the specific markings on your timer for the manual override function.

Day Skipper Function

The timer features a Day Skipper function, allowing you to prevent operation on specific days of the week. Consult the detailed instruction guide included with your unit for specific setup of this feature.

MAINTENANCE

The Intermatic T174 Time Switch is designed for reliable, long-term operation with minimal maintenance.

- Periodically inspect the timer for any signs of damage or loose connections.
- Keep the enclosure clean and free from dust and debris.
- Do not attempt to lubricate internal components.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Timer does not operate.	No power to the timer.	Check circuit breaker or fuse. Ensure wiring connections are secure.
Connected device does not turn ON/OFF at programmed times.	Incorrect tripper placement or current time setting.	Verify tripper positions and ensure the current time is accurately set on the dial. Check manual override switch position.
Timer motor is noisy.	Normal operation for some mechanical timers.	If noise is excessive or new, contact support.
Timer operates but device does not.	Faulty wiring to the load or issue with the connected device.	Verify load wiring. Test the connected device directly to ensure it is functional.

SPECIFICATIONS

Feature	Detail
Model Number	T174
Type	Electromechanical Timer
Operation	24-Hour
Number of Poles	2
Contact Form	DPST-NO (Double Pole, Single Throw - Normally Open)
Voltage	208-277V AC
Amperage	40 A

Feature	Detail
Contact HP @ 120V	2 hp
Contact HP @ 240V	5 hp
Day Skipper	Yes
Enclosure Type	Steel, Type 1 Indoor Enclosure
Finish	Gray Enamel
Minimum Time Setting	1 hour
Maximum Time Setting	23 hours
Maximum ON/OFF Cycles	12
Dimensions (H x W x D)	7 13/16 in x 5 in x 3 in (Approximate)
Item Weight	2.75 - 2.8 Pounds
Included Trippers	2
UPC	078275174214
Manufacturer	Intermatic Incorporated

WARRANTY AND SUPPORT

The Intermatic T174 Time Switch comes with a manufacturer's warranty. For specific warranty details, please refer to the documentation included with your product or visit the official Intermatic website. For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact Intermatic customer service. You can often find support information and additional resources on the [Intermatic Store on Amazon](#) or their official corporate website.