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Intermatic T102

Intermatic T102 24-Hour Mechanical Time Switch User Manual

Model: T102

Brand: Intermatic

PRODUCT OVERVIEW

The Intermatic T102 is a robust 24-hour mechanical time switch designed for industrial, commercial, and residential applications. This device provides direct control of various loads, offering up to 12 'On/Off' operations daily with minimum on/off times of 1 hour. It is equipped with one 'On' and one 'Off' tripper for precise scheduling. Its durable steel construction ensures reliable performance.

IMPORTANT SAFETY INFORMATION

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

Always turn off power at the main panel before installing or servicing this switch. Failure to do so may result in serious injury or death from electrical shock. Ensure all wiring is performed by a qualified electrician and complies with all local and national electrical codes. Do not connect aluminum wires to switch terminals.

KEY FEATURES

- Suitable for industrial, commercial, and residential applications.
- Highest HP ratings in the industry, supporting loads up to 40 amps.
- Provides direct 24-hour control.
- Allows for 1 to 12 'On/Off' operations per day.
- Equipped with one 'On' and one 'Off' tripper for scheduling.

SETUP AND INSTALLATION

Installation of the Intermatic T102 time switch should be performed by a qualified professional in accordance with all applicable electrical codes. For detailed wiring diagrams and step-by-step instructions, please refer to the official user guide PDF.

Download the official User Guide (PDF): [Intermatic T102 User Guide](#)

Product Diagram



Image: The Intermatic T102 mechanical time switch with its metal enclosure door open, revealing the yellow 24-hour dial, the manual override lever, and the wiring terminals (Neutral, Line, Load). A warning label regarding aluminum wires is visible at the bottom.

Installation and Operation Video

Video: An overview of the Intermatic T100 series 24-hour mechanical time switches, highlighting features such as direct 24-hour control, support for loads up to 40A per pole, simple installation, and operation. It demonstrates how to set the time dial, adjust 'On' and 'Off' trippers, and use the manual override switch. The video also emphasizes the product's durability, with many devices still in operation after 50+ years.

OPERATION

Setting the Time

To set the current time, gently pull the dial outwards and rotate it until the current time aligns with the 'TIME SET' arrow. Ensure the dial is pushed back in after setting.

Setting On/Off Trippers

The time switch comes with one 'On' tripper and one 'Off' tripper. These trippers are small pins that are inserted into slots around the perimeter of the dial. Position the 'On' tripper at the desired time for the load to turn on, and the 'Off' tripper at the desired time for the load to turn off. Additional trippers can be purchased separately to allow for up to 12 'On/Off' operations per day.

Manual Override

The time switch features a manual override lever located below the dial. This lever allows you to manually switch the load 'On' or 'Off' without affecting the programmed schedule. Simply move the lever to the 'On' or 'Off' position as needed. The timer will resume its programmed schedule at the next scheduled 'On' or 'Off' event.

TECHNICAL SPECIFICATIONS

| Specification | Detail |
|---------------------------|---|
| Model Number | T102 |
| Voltage | 208-277-Volt |
| Switch Style | SPST |
| Type | 24 Hour Mechanical Time Switch |
| Material | Steel |
| Product Dimensions | 3.44"D x 5.13"W x 7.88"H |
| Item Weight | 1 Pounds |
| Max. Number of Operations | 12 per day |
| Min. On/Off Time | 1 Hour |
| Certifications | UL (Canada and US), CSA (Canada and US) |
| UPC | 078275102217 |

MAINTENANCE

The Intermatic T102 time switch is designed for minimal maintenance. Periodically inspect the unit for any signs of damage or loose connections. Keep the enclosure clean and free from dust and debris. Do not attempt to lubricate any internal components. For any issues beyond basic cleaning, contact a qualified electrician or Intermatic customer support.

TROUBLESHOOTING

If the time switch is not operating as expected, first ensure that power is supplied to the unit and that the manual override lever is not in an unintended position. Verify that the 'On' and 'Off' trippers are correctly placed on the dial and that the dial is

not stuck. If the clock motor is not turning, or if the unit fails to switch loads, consult the detailed troubleshooting section in the official user guide PDF or contact Intermatic customer support.

WARRANTY AND SUPPORT

The Intermatic T102 Mechanical Time Switch comes with a 1-year limited warranty. For warranty claims or technical support, please contact Intermatic directly.

For more information about Intermatic products and support, visit the official Intermatic Store:[Intermatic Store on Amazon](#)