

<http://waterheatertimer.org/Intermatic-timers-and-manuals.html#WH21>

# WH21

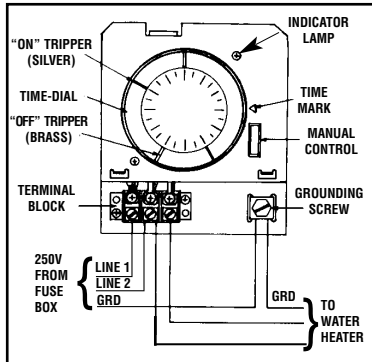
## ELECTRIC WATER HEATER TIME SWITCH SINGLE POLE SINGLE THROW (SPST)

25 AMP (6250 WATT) RESISTIVE, 1500 WATT TUNGSTEN,  
2 H.P. (20 FLA/80 LRA) - 208 OR 250 VOLT, 60 HZ.



**CAUTION: THIS SINGLE POLE TIMER SWITCH BREAKS ONLY ONE (HOT) LINE CONNECTED TO THE WATER HEATER. THE OTHER (HOT) LINE IS UNINTERRUPTED FOR YOUR SAFETY. DISCONNECT ALL ELECTRIC POWER AT THE MAIN PANEL BEFORE SERVICING THIS SWITCH OR THE WATER HEATER IT IS CONNECTED TO.**

This time switch will repeat a pre-set schedule daily except when the **EXTERNAL MANUAL PUSH-BUTTON** is used. This manual button permits the user to turn the water heater **ON** and **OFF ahead** of the schedule. The Time Switch will resume the **preset** program by the next scheduled **ON** or **OFF** operation. The diagram on the right shows the mechanism and wiring of this time switch. The **TIME-MARK** is used to line up the correct time-of-day on the **TIME-DIAL**. The **ON** and **OFF** TRIPPERS turn the water heater **ON** and **OFF** at the times indicated by their respective position on the **TIME-DIAL**.



### • TO SET PROGRAM

1. Grasp time-dial firmly. **PULL** and remove time-dial completely from timer.
  2. Remove all **ON** trippers (silver) and **OFF** trippers (brass). Use pencil or paper clip if necessary.
  3. Insert **OFF** trippers (brass) in slots for desired **OFF** times, but **NOT CLOSER** than 2 hours apart.
  4. Insert **ON** trippers (silver) in slots for desired **ON** times, but **NOT CLOSER** than 2 hours apart. **ON** and **OFF** trippers may be spaced **1/2 hour apart from each other**.
  5. **Replace time dial. PUSH IN FIRMLY.** If any trippers are near the time-mark, rotate time-dial to avoid interference with mechanism inside.
  6. Turn time-dial **CLOCKWISE** one or more revolutions until correct time-of-day is opposite time-mark.
- **TO STOP AUTOMATIC OPERATION** (But without stopping timer), **PULL** outward on time-dial until it clicks.
  - **TO RESUME AUTOMATIC OPERATION, PUSH** inward on dial.
  - **AFTER POWER FAILURE** (or if water heater was disconnected at main panel) time-dial must be reset to correct time-of-day.

**TO SECURE EXTRA TRIPPERS ORDER No. 156T1945A FOR A SET OF TWO (2) ON AND TWO (2) OFF TRIPPERS.** 156EB1945A trippers

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