

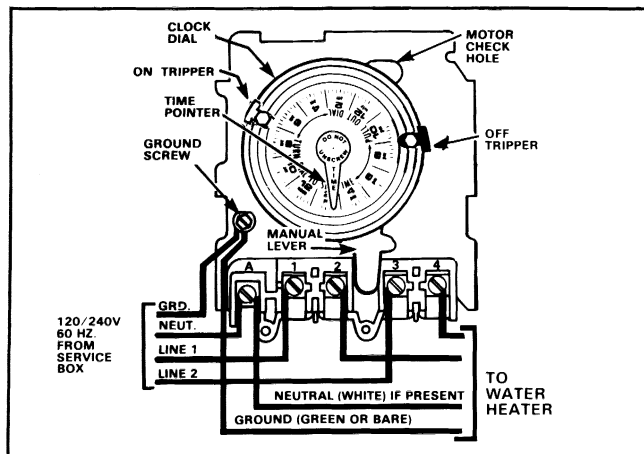
NOTE: The manual lever is inoperative for 15 minutes immediately after the automatic operation.

TO SET PROGRAM - *First* mount silver finished "ON" trippers at times you wish electric water heater to start operating. Place black "OFF" trippers at times you want to turn water heater off. Fasten trippers *securely* by turning screws *tight* against clock dial. *Second, pull* clock dial toward you and turn clock dial in either direction to the correct time-of-day as indicated by pointer. **DO NOT MOVE POINTER.** Close the time switch cover. Make sure it is latched and locked, if needed.

AFTER POWER FAILURE (or if water heater was disconnected at the main panel) - you must reset the clock dial to the correct time-of-day.

TO SUSPEND AUTOMATIC OPERATION - remove trippers from dial. Set manual lever as desired.

CAUTION: Always disconnect power at main panel before servicing this switch or the water heater.



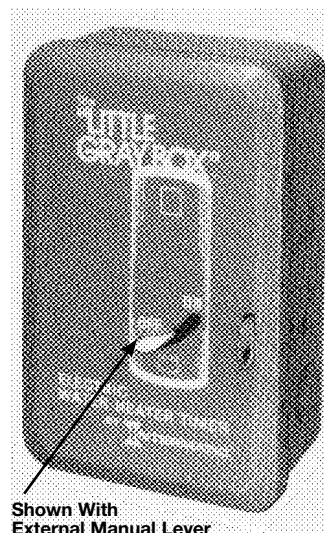
INTERMATIC INCORPORATED
SPRING GROVE, ILLINOIS 60081

ELECTRIC WATER HEATER TIME SWITCH

The
**"LITTLE
GRAY
BOX"**®

BY THE MAKERS OF **INTERMATIC** TIME CONTROLS

- **HAS EXTERNAL
MANUAL OVERRIDE
SWITCH**
- **EASY TO INSTALL**
- **MATCH WATER HEATER
OFF TIMES TO PEAK
ENERGY PERIODS OF
YOUR UTILITY TO
REDUCE THEIR
DEMAND**

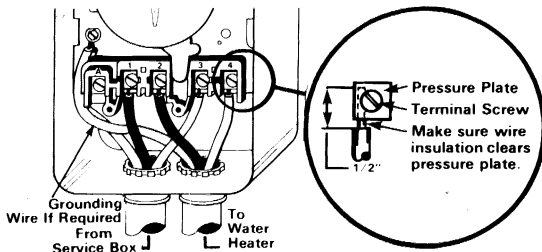


STEP 1

A. CHECKING:

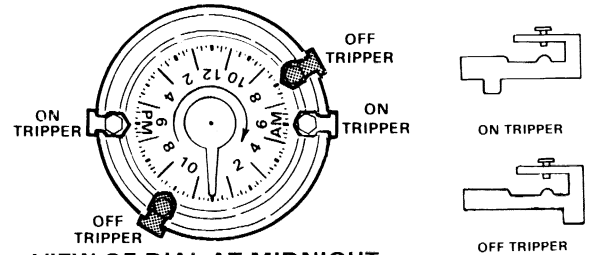
- ☐ Make sure the Time Switch and the water heater **VOLTAGES** are the same.
- ☐ Make sure your water heater rating in **WATTS** is not over the maximum capacity of this Time Switch.
- ☐ Make sure your water heater is wired with **COPPER** wire. **Do not connect ALUMINUM** wires to the terminals of this Time Switch. You may wish to consult an electrician if your existing wires are **ALUMINUM**.

CAUTION - Disconnect electricity before you attempt to remove or expose any wiring.



DAYS OF WEEK	AM HOURS					PM HOURS					
	2	4	6	8	10	12	2	4	6	8	10
MONDAY											
TUESDAY											
WEDNESDAY											
THURSDAY											
FRIDAY											
SATURDAY											
SUNDAY											

 Indicates when water heater is on.



VIEW OF DIAL AT MIDNIGHT
TYPICAL PROGRAM

STEP 10

Check wiring, time setting (AM/PM) and program. If hard wired, also close Water Heater Terminal Box. Restore electric service (the reverse of STEP 2). By looking through the oval motor check hole, you should be able to observe time switch clock motor gears in motion. Close time switch cover. Make sure it is latched and locked, if needed.

OPERATING INSTRUCTIONS

This Time Switch will repeat a preset schedule daily. It may also have an **EXTERNAL MANUAL LEVER** to override the automatic program. The diagram on the right shows the mechanism and typical wiring.

THE CLOCK DIAL - Turns in a **clockwise** direction once a day and has a 24-hour face.

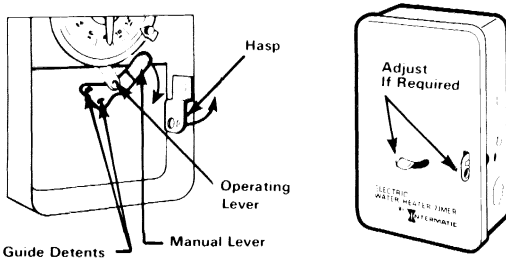
THE TIME POINTER - is used to line up the correct time-of-day on the dial.

THE TRIPPERS - are attached to the dial, turn the water heater ON and OFF at times indicated by their respective position on the dial.

THE MANUAL LEVER - permits the user to turn the water heater ON and OFF **ahead** of schedule. The time Switch will resume the preset program by the next scheduled ON or OFF operation.

STEP 8

Using pliers, grip folded down hasp on side of case and rotate it upward as shown. Also, if your Time Switch has an **EXTERNAL MANUAL LEVER**, pivot Override Lever in direction shown until detents snap into position. Close cover to make sure the holes in cover line up. Adjust, if required.



STEP 9

Set your daily program. - See operating instructions on page 7. Each individual household should determine a schedule to suit their own needs. Adjustments should be made for family size, hot water needs, appliances, etc. In areas where time-of-day rates are in effect, consult your electric utility company to find when the lowest rates apply. Then set your time switch to operate your water heater when your electric rates are lowest and adjust your schedule accordingly.

In setting your schedule, you must consider the facts that the temperature and quantity of hot water will decline during the "OFF" periods depending on amount used and length of "OFF" time. A typical schedule could be "ON" at 6 AM, "OFF" at 8 AM for your morning use, and "ON" again at 5 PM and "OFF" again at 10 PM.