

# ET724 Electronic In-Wall Timer

## Operating Instructions

<http://waterheatertimer.org/Intermatic-timers-and-manuals.html#Ei500>

### STEP #1 – Installation Procedure:

1. Wire in accordance with National and Local Electrical Codes.
2. This device requires installation by a license electrician or qualified professional. Use of voltage detector or meter is recommended.
3. Turn power OFF at Circuit Breaker or Fuse Box.
4. Remove and disconnect the existing switch.
5. Connect ET724 wire leads to LOAD as indicated.
6. Restore power at Circuit Breaker.
7. Verify slide switch is set to TIMER.

### STEP #2 – Power Up Sequence:

1. Lift up the bottom of the door using a small slotted screwdriver.
2. Position the slide switch to TIMER.
3. Press the "RESET" button using a paper clip.
4. The display should flash 12:00AM on Monday.

#### In the event that the screen is blank, check the following:

1. The OFF/TIMER switch located at the bottom may be in the OFF position. Slide it to the TIMER position using a small screwdriver.
2. Check LOAD connected to the ET724.
3. Check the 120VAC power source.

### STEP #3 – Setting Current Time:

1. Press and HOLD the "CLOCK" key during this entire procedure.
2. Press the "HOUR" key to advance the hours.
3. Press the "MIN" key to advance the minutes.
4. Press the "DAY" key to advance the day.
5. If any keys are pressed for a prolonged period, the display will advance rapidly.
6. Release the "CLOCK" key once the time and day have been entered. Now the timer is in operation and ready to be programmed. The colon ":" after the hours will continuously flash indicating that the time is advancing.

### STEP #4 – Programming ON/OFF Events:

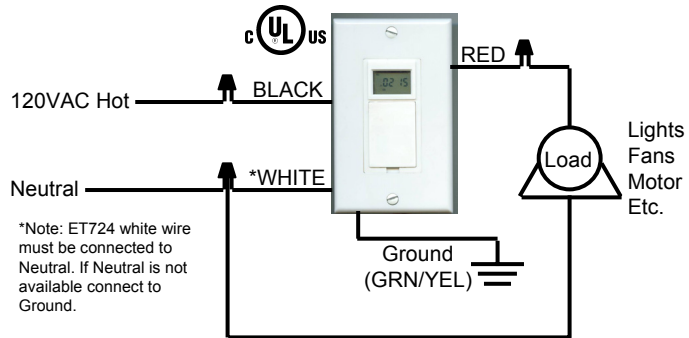
1. Press the "PROG" key once. TIMER 1 ON - - : - - appears.
2. Using the "HOUR" and "MIN" keys enter the desired ON time. It is necessary to press "MIN" at least once to display "OO" for minutes (ex. 9:00 AM). By default all days are indicated. When complete press the PROG key once.
3. Timer OFF --:-- will be displayed. Using the "HOUR" and "MIN" keys enter the desired OFF time. It is necessary to press "MIN" at least once to display "OO" for minutes (ex. 5:00 PM). By default all days are indicated. When complete press the PROG key once.
4. If complete press the "CLOCK" key to return to current time and day.
5. Note that a total of 7-ON and 7-OFF events can be programmed.

#### Block Programming:

1. When programming ON/OFF events, all days are indicated by default. To change the day selection simply keep pressing the Day key and the display will change as follows:
2. Individual Day (MON, TUE, etc.)
3. MON~FRI; SAT~SUN; MON~SAT; MON~SUN
4. MON-WED-FRI; TUE-THU-SAT
5. MON~WED; THU~SAT
6. Follow the steps above to complete programming.

#### Reviewing Programs:

1. To review the programs that have been entered simply press and release the PROG key. Each time you do this you will be able to scroll thru the programs.
2. Any program can be edited simply by pressing the HOUR, MIN, and DAY keys. Then press the PROG key in order to accept the changes.
3. When complete press the "CLOCK" key to return to current time and day.



#### Electrical Ratings:

120VAC 60Hz  
15A Resistive  
15A Tungsten  
1HP

\*When done programming, close door

#### Deleting Programs:

To delete a particular program simply press the PROG key until the desired program is displayed. Then press the HOUR and MIN keys until --:-- is displayed. Then press the PROG key in order to delete this particular program. When complete press the "Clock" key to return to current time and day.

#### Manual Override:

Pressing the ET724 will alternate the unit ON or OFF.

#### Initial Startup:

When you initially program the unit it may be necessary to press the manual override key as the unit will not look back to determine if it should be ON. For example if the current time is 2:00PM and you just programmed the unit to turn ON at 1:00PM, you will need to press the manual override key to turn it ON. Thereafter, the unit will resume normal operation (automatic).

#### MEMORY BACKUP:

The ET724 is equipped with a rechargeable Ni-Mh battery which will protect your programs during power failure for up to 30 days. No need to replace battery.

*Note that the screen blanks during a power failure.*

#### Disable Function:

The ET724 has a disable function whereby the programs do not execute. Its ideal during Holidays of vacation period where the unit is not to perform any function. Simply slide bottom slide switch of OFF.