

HPM D817 timer manual

<http://waterheatertimer.org/Woods-timers-and-manuals-old.html#HPM>



Time Display

Choose 12-hour display or 24-hour display: press CLOCK button and hold until display changes.

Set day and time

Press and hold SET until day flashes. Day icons appear at top of LCD screen.

Press either ▲ or ▼ button to cycle through and select day of week.

Press SET to confirm

Hour will flash on LCD.

Repeat steps to set current hour and minutes.

Press SET to confirm.

Clock mode will display current time.



Program timer

Reset timer by removing battery.

Set up to 14 ON and 14 OFF programs. Not necessary to use all 14.

Each program will be set for ON time and then OFF time, with day(s), hour and minute for each.

Caution: ON and OFF days and times should not conflict or overlap or timer will not function as expected.

Starting with Clock mode, with current time showing, press ▲ button once to change to Program mode.

“1 ON” will display lower left corner of LCD. This indicates Program 1 ON time can be set.

Programs can be changed any time by entering Program mode and cycling through programs.

Begin programming by pressing SET.

Day(s) of week start flashing.

Press ▲ or ▼ buttons to cycle through choices of day(s) for Program 1 ON.

- * MO TU WE TH FR SA SU (all days of week selected)
- * MO→TU→WE→TH→FR→SA→SU (select individual days)
- * MO WE FR (only Monday, Wednesday and Friday selected)
- * TU TH SA (only Tuesday, Thursday and Saturday selected)
- * SA SU (only Saturday and Sunday selected)
- * MO TU WE (only Monday, Tuesday and Wednesday selected)
- * TH FR SA (only Thursday, Friday and Saturday selected)
- * MO TU WE TH FR (everyday but Saturday and Sunday selected)
- * MO TU WE TH FR SA (everyday except for Sunday selected)

Press SET to confirm choice of day(s) for program 1 ON.

Hour starts flashing. Select hour for Program 1 ON using ▲ or ▼ button.

Press SET to confirm.

Minutes starts flashing. Select minute for Program 1 using ▲ or ▼ button.

Press SET to confirm.

Display will now show selected day/s, hour/s and minute/s for Program 1 ON.

Press ▲ button to set program 1 OFF. "1 OFF" will display lower left corner of LCD.

Repeat above steps to set Program 1 OFF.

Press ▲ button to set Program 2, Program 3, program 4, etc.

It is not necessary to use all programs.

Programs can be changed any time by cycling through programs, and then changing desired program.

Press Clock button –or– pause without pressing any button and timer will automatically enter Clock mode, and current time will display.

Set timer delay function

Delay feature allows for delayed switch ON or delayed switch OFF.

With timer in Clock mode, and current time showing, press ▼ button.

Bottom left corner of displays "d ON (or OFF)" indicating timer is in delay mode.

Press SET until ON or OFF flashes.

Press ▲ or ▼ button changes status from ON delay to OFF delay.

Press SET to confirm

Hour begins to flash. Select number of hour(s) for delay.

Press SET to confirm.

It is not necessary to set Hour for delay. For example, delay can be set for 45 seconds, or set for 2 hours and 5 minutes and 45 seconds.

To by-pass hour, Press SET again and minutes display

To by-pass minutes Press SET again and seconds display

Status (ON/OFF)→Hour(s)→Minute(s)→Second(s)

For example: If you wish a table lamp to remain ON for 10 minutes after you leave the house, set the Status to ON and if the time on LCD is all zeros you can proceed straight to the Minute and set that to 10.

After setting Delay period, press CLOCK button to return timer to Clock mode.

Activating delay function

Delay function can only be activated when timer is in Clock mode and only when timer is plugged into outlet.

Ensure timer is in Clock mode, and current time displays.

1. Press "MODE" button until horizontal bar on bottom of LCD is above AUTO that is printed on front of timer.
2. Press DELAY button to start delay function. Pressing DELAY button again cancels operation.

3. NOTE: After pressing DELAY, the word ON or OFF will flash on LCD.

4. Flashing ON: Means timer remains ON for length of time that was programmed in the Delay mode.

5. Flashing OFF: Means that timer will remain OFF for length of time that was programmed in Delay mode.

Activating random function

Random Function will turn an appliance ON or OFF on random basis. Listed below are criteria governing random operation:

- * Minimum OFF time: 26 minutes
- * Maximum OFF time: 42 minutes
- * Minimum ON time: 10 minutes
- * Minimum ON time: 26 minutes

To activate random function timer must be in Clock mode and plugged into outlet.

Press RND button once. Bottom left hand corner of LCD will flash "r OFF".

This indicates Random mode and timer will remain OFF condition for 26 to 42 minutes.

Timer will then switch ON for 10 to 26 minutes and then switch OFF again.

Pressing RND button will cancel Random Function.

Clock mode

Clock mode displays following:

- * Day of week (Monday at system reset)
- * Clock (0:00 at system reset)
- * Switching status (OFF at system reset)
- * 'R' character if random switching is selected. (No 'R' displayed at system reset)

Override/Resume Preset Program

Press "MODE" button to override timer programs.

Horizontal bar on bottom of LCD will move to On AUTO or OFF:

1. ON : overrides programming and Timer remains ON full time
2. AUTO : resumes timer programming, Timer will turn ON and OFF according to present program
3. OFF : overrides preset program and Timer remains OFF all the time

NOTE: When Timer is in Random mode the Delay function cannot be activated.