⌂ HPM

7 Day Digital Timer
Cat. D817/2
Instruction Manual
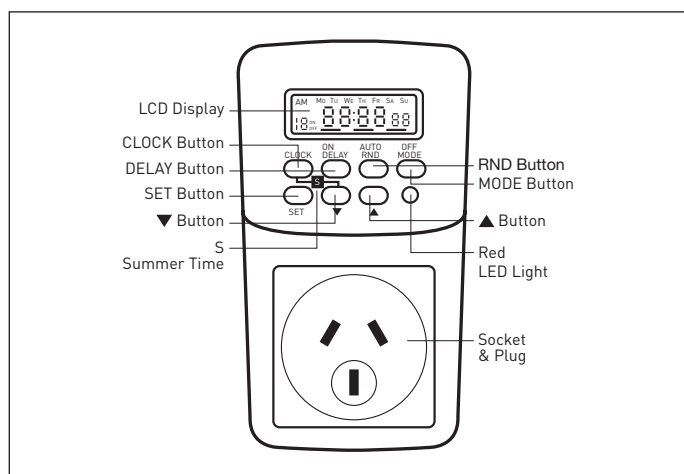
1   Specification

Supply voltage	240V a.c.
Frequency	50Hz
Battery	AAA size
Switching Current	10A max
Max Load	2400W

2   Time Display

To change from 12-hour display to 24-hour display, or vice versa, press the CLOCK button and hold it until the LCD display changes.

Please note that you can reset this digital timer at any stage by removing the batteries.

3   Setting the Day and Time

Step 1: Press and hold the SET button until the day shown on the LCD flashes.

Step 2: Use the ▼ and ▲ buttons to select the day of the week. When correct, press SET to confirm the selection. The hour figure on the display will flash

Step 3: Use ▼ and ▲ to select the correct hour. Press SET to confirm your selection, and the minutes figure will flash.

Step 4: Use the ▼ and ▲ to set the minutes. Press SET to finish setting the time. Press CLOCK to return to clock mode.

Step 5: The clock can be reset at any time by repeating steps 1 - 4. When setting the clock remember to use standard time. See Daylight Saving (Summer Time) section for details on easily switching between daylight savings (summer) time and standard time.

4   Setting the Timer

There are 14 different programme blocks that can be set.

Step 1: To select the first block make sure the timer is displaying the current time and press ▲ once. "1^{ON}" will appear in the bottom left corner.

Step 2: Press SET to enter programming mode. The days of the week at the top of the LCD screen will flash

Step 3: Press ▼ or ▲ to scroll through the day of the week setting options. The day of the week setting options are listed below:

MO TU WE TH FR SA SUN (this program will operate every day of the week)

MO TU WE TH FR SA (this program will operate every day except Sunday)

MO TU WE TH FR (this program will operate on weekdays only)

TH FR SA (this program will operate on Thu, Fri & Sat only)

MO TU WE (this program will operate on Mon, Tue & Wed only)

SA SU (this program will operate on Sat & Sun only)

TU TH SA (this program will operate on Tue, Thu & Sat only)

MO WE FR (this program will operate on Mon, Wed & Fri only)

MO
TU
WE
TH   (the program will only operate on the day selected)
FR
SA
SU

Once you are happy with your day/s selection, press SET to confirm. The hour figure will now flash.

Step 4: Use ▼ or ▲ to select the time (hour) you want the program to start. Press SET to confirm the setting - the minutes figure will flash.

Step 5: Press ▼ or ▲ to select the time (minutes) you want the program to start. Press SET to confirm.

Step 6: If you want to revise the day or time set repeat steps 1 - 5.

Step 7: When you are happy with the start time chosen, press ▲ once to scroll to the program finish time. "1^{OFF}" will be displayed in the bottom left corner.

Step 8: Set the off day and time using the procedure in steps 2 - 5.

Step 9: To set another programme block press ▲ to scroll to the next block. To finish programming press CLOCK to return to clock mode.

5   Deleting Programmes

Step 1: To delete ALL pre-programmed settings remove the timer from the mains power source and remove the batteries. The clock will need to be reset when the batteries are replaced.

Step 2: To delete an individual timer setting, re-programme the required block so the start and finish times are the same

OR

Scroll to the block you wish to delete and press the MODE button. The display will change to --:--. To retrieve the setting press the MODE button again.

6   Using the Timer

Step 1: To use the timer plug it into a power source and plug an appliance into the timer. Be sure to turn your appliance on.

Step 2: Press the MODE button until the horizontal bar at the bottom of the LCD is above the AUTO label - the timer will now switch the appliance on and off according to the programmed settings. The red LED indicates when there is power to the appliance.

Step 3: You can override the timer settings:

a. Press MODE until the horizontal bar is over the ON label to manually switch the appliance on

b. Press MODE until the horizontal bar is over the OFF label to manually switch the appliance off.

Please Note: If you use the MODE button to turn your appliance ON (or OFF) from AUTO mode, when you return to AUTO mode, the appliance will remain ON (or OFF) until the next time it is programmed to switch OFF (or ON).

7   Time Delay Function

This feature allows you to set your appliances to stay on or off for a set time. For example, have a lamp remain off for 2 hours after you leave home and then switch on, or an electric blanket stay on for 30 minutes after you go to bed.

Step 1: Setting the timer delay function

a. To enter time delay mode, ensure the timer is in clock mode and press $\blacktriangledown$. "d^{ON}" or "d^{OFF}" will be displayed in the bottom left corner.

b. Press SET and ON or OFF will flash. If you want your appliance to remain on for a set time press $\blacktriangledown$ until "ON" flashes. If you want the appliance to remain off for a set time, and then switch on, press $\blacktriangledown$ until "OFF" flashes. Press SET to confirm and the hour will flash.

c. Use $\blacktriangledown$ and $\blacktriangle$ to set the hours (0-99) for the time delay. Press set to confirm.

d. Repeat step c. to set the minutes (0-59) and seconds (0-59).

e. Press CLOCK to return to clock mode.

Step 2: Using the timer delay function

a. Plug the timer in to a power source, and plug an appliance into the timer. The delay function will only operate when the timer is plugged into a power outlet.

b. Press the MODE button so the horizontal bar on the bottom of the LCD moves and sits above the AUTO label.

c. Press the delay button to activate the delay function. To cancel press the DELAY button again.

d. After pressing DELAY "d^{ON}" or "d^{OFF}" will flash in the bottom left of the display. "d^{ON}" means the timer will remain on

for the delay period programmed, "d^{OFF}" means the timer will remain off for the delay period programmed, and then switch on.

8   Random Function

The Random Function will turn an appliance ON of OFF on an irregular basis. Listed below are the criteria governing this operation:

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

Step 1: To activate the randoom function ensure that the timer is in clock mode and plugged into a power outlet.

Step 2: Press the MODE button until the horizontal bar sits above the AUTO label.

Step 3: Press the RND button once. The bottom left hand corner of the LCD will now show a flashing "r^{OFF}". This indicates the timer is now in Random mode and it will remain in the OFF condition for a period anywhere between 26 to 42 minutes. It will then switch on for a period anywhere between 10 to 26 minutes and then switch off again.

Step 4: Pressing the RND button again will cancel the Random Function.

9   Daylight Saving (Summer Time)

The clock time can easily be changed from Standard Time to Daylight Saving Time and vice versa with a simple operation.

Step 1: Press and hold the CLOCK button again followed by the $\blacktriangledown$ button to change from Standard time to Daylight Savings time. The time will advance by one hour and the letter "S" will appear on the top right hand corner of the LCD to indicate the Timer is now in Daylight Saving time.

Step 2: Press and hold the CLOCK button followed by the $\blacktriangledown$ button to return the timer back to Standard time. The "S" will disappear.

> **SAFETY FEATURE:** If there is a power failure, the timer is unplugged or the wall socket is switched off (while the batteries are installed and in good working order), the programs and mode setting that you have entered will be saved. When power is restored, if the timer was on and in "AUTO" mode it will not resume the interrupted program and will not turn back on until the next programmed "ON" time. If in "OFF" mode the timer will remain off. If in "ON" mode the timer will turn back on.

NOTE: If the batteries are flat or removed, the timer will not retain previously set programs and mode settings. When new batteries are installed, programs and mode settings will have to be reset.