

**If your Timer looks like this, use the following instructions**

*If your Timer does not look like this, go to the next page*



- 1 ON ---- is the first setting.
2. Press "SET" and the days of the week will begin blinking. This will tell the timer the days of the week the timer will be in control of the lights/devices plugged into the timer. Press the UP/DOWN buttons to scroll through the multiple weekday program options shown below.

**Multiple Weekday Program Options:**

Apart from individual weekday programming, pressing the UP/DOWN keys to scroll through the multiple day combinations such as:

- Monday thru Sunday
- Tuesday & Thursday & Saturday
- M, T, W, Th, F, Sat & Sun
- Saturday & Sunday
- Monday & Wednesday & Friday
- Monday thru Friday

Choose the days you want the program to be active and press "SET"

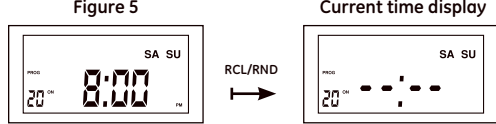
4. Now that you have chosen the days the timer will function, the next step is to choose the times the timer will turn ON. There are 3 options to choose from when selecting the program ON time. Use the UP/DOWN buttons to scroll through the options.

**CUSTOM TIME (12:00) – SUNUP – SUNSET.**

- A. If you would like to set the Program 1 ON Time to the pre-set SUNUP time, use the UP/DOWN buttons to find the SUNUP time on the display and press "SET". You will now move to the Program 1 OFF time set. (Go to step 5).
- B. If you would like to set the Program 1 ON Time to the pre-set SUNSET time, use the UP/DOWN buttons to find the SUNSET time on the display and press "SET". You will now move to the Program 1 OFF time set. (Go to step 5).
- C. If you would like to choose a custom time, use the UP/DOWN buttons to find the screen showing 12:00 blinking and press "SET". The hour will be blinking, use the UP/DOWN buttons to find the hour you would like the timer to turn the program ON. (Take note of the AM/PM on the upper left of the screen when setting the HOUR.) Once you have found the hour desired press "SET". The minutes will now be blinking, use the UP/DOWN buttons to find the minute you would like the timer to turn the program ON. Once you found the hour desired press "SET". You will now move to set the Program 1 OFF time.

5. The screen will now show 1 OFF ----, and you will repeat the routine above to select a CUSTOM TIME (12:00), SUNUP or SUNSET for the OFF time.
6. Repeat the same routine for Program 2 (P2) through P7 to set as many ON/OFF cycles as desired. At any time, push PROG button to complete programming and return to clock mode.
7. Once all programming is complete make sure lamp or device is set in the on position, and AUTO shows at the top of the timer display. Plug the lights or devices into the timer and plug the timer into the wall. Your timer is ready to use!

**Note:** The lamp or device will not come on until the next ON time is triggered. To manually turn the device ON and start the program, cycle the ON/OFF button until the light/device turns on. Then press once more to put timer in AUTO mode (timer active). You can also use the ON/OFF button to override the timer and set to ON (always on) or OFF (always off).



(always off).

**RCL (Clear settings) Button:**

When programming ON/OFF times, push the RCL/RND button to clear an ON/OFF setting. Press again to resume programming. See figure 5.

**Random Security Option (RND):**

The program feature will turn lights ON and OFF using the programmed times + or - 30 minutes, giving the house a more lived in appearance while occupant is away.

1. Push RCL/RND (random) button to activate the Random feature while in clock mode. The screen will display RND in the top right corner.
2. Push RCL/RND button again to deactivate the Random feature and return the timer to its set programming.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**FCC NOTE:** The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

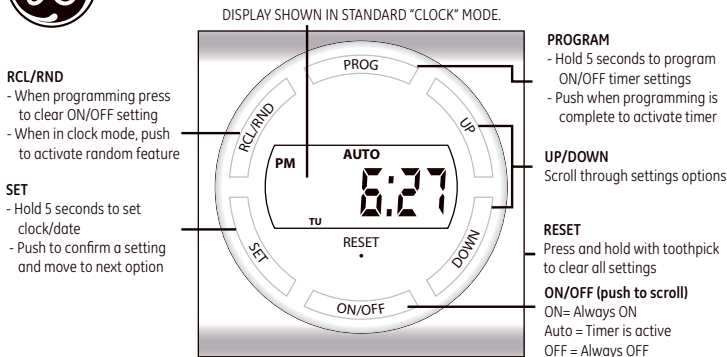
**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encourage to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003



**SunSmart™ Digital Timer**



**Note:** The timer will automatically return to clock mode if a button is not pushed for 1 minute while programming. Return to step 1 if this happens.

**Initial Set Up:**

1. If the LCD screen is displaying numbers, you are ready to program, please proceed to step 2. If the screen is blank plug in the timer and leave for two hours to charge internal battery before programming.
2. Use a toothpick or sharp pencil to push the RESET button. Once pushed, the screen will go blank briefly and then display 12:00 AM. See Figure 1.
3. Press and hold the SET button for 5 seconds until hour begins to flash. Release button.
4. Press the UP/DOWN to adjust **hour**. Press SET to confirm. The timer HOUR is default to 12 AM. Take note of the AM/PM on the upper left of the screen when setting the hour.
5. Press the UP/DOWN to adjust **minute**. Press SET to confirm.
6. Press the UP/DOWN to adjust **year**. Press SET to confirm.
7. Press the UP/DOWN to adjust **month**. Press SET to confirm.
8. Press the UP/DOWN to adjust **day**. Press SET to confirm.
9. Press the UP/DOWN to select **DST ON** or **DST OFF**. Press SET to confirm. **Note:** DST stands for Daylight Savings Time. DST is either "ON" or "OFF". DST will automatically reset the times in the timer to match the current time change, if DST is set to ON. The default DST time change is 2:00 am, the second Sunday of March, and then the first Sunday in November.
10. The next setting is the **Zone** for the SunSmart™ Feature. Look at the map below and determine which zone best fits your location. Use the UP/DOWN buttons to scroll through the available zones in the timer and stop when you find the zone where the timer is being installed. Press "SET" to confirm zone.

Figure 1 - Ready to set

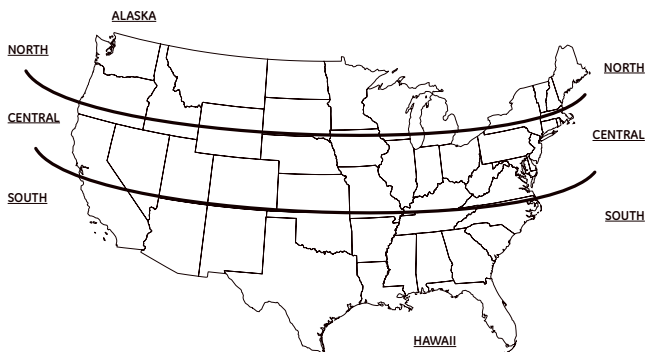
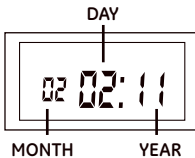
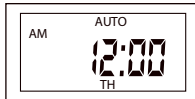
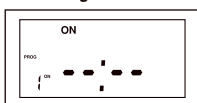


Figure 3



11. The screen will show SUNUP and a time with the HOUR blinking. This is the timer's pre-set time for SUNUP. If the time is correct for SUNUP press "SET" twice to move to the SUNSET setting. If the HOUR is not correct use the UP/DOWN buttons to adjust the hour to match SUNUP for your area. Press "SET" to confirm. The minutes are now blinking. If the minutes are not correct use the UP/DOWN buttons to adjust the minutes to match SUNUP for your area. Press "SET" when minutes are correct.
12. The screen will show SUNSET and a time with the HOUR blinking. This is the timer's pre-set time for SUNSET. If the time is correct for SUNSET press "SET" twice to complete time setting. If the HOUR is not correct use the UP/DOWN buttons to adjust the hour to match SUNSET for your area. Press "SET" to confirm. The minutes are now blinking. If the minutes are not correct use the UP/DOWN buttons to adjust the minutes to match SUNSET for your area. Press "SET" when minutes are correct. This completes the time set portion.

**Programming ON/OFF Times:**

1. Hold down the PROG button for 5 seconds. Figure 3 should appear on the screen.

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## Digital Timer

Models: 15042, 15089, and 15079

### Install Set Up:

1. If the time screen is completely blank it will need to be plugged into an outlet before programming can begin. If the screen is displaying numbers, it can be programmed and plugged into the wall afterwards.
2. Before programming, all settings should be reset. The reset button is located just below the "HOUR" button and is identified by an "R". Use a paper clip or ball point pen to push the "R" button. Once pushed the screen will show the display below on the screen. See Diagram A

Diagram A



After few seconds



### Current Time Setting:

1. Keep the "CLOCK" button pressed during the entire setting operation.
2. Press the "HOUR" button to set the hours.
3. Press the "MIN" button to set the minutes.
4. Press the "DAY" button to select the correct day of the week.
5. Release the "CLOCK" button. The time will now be set!

### Programming the On/Off Times:

1. Press the "SET" button once. Diagram B should appear.
2. 1 ON --:-- Should be the first setting. There are a total of 20 On/Off settings.

Diagram B



3. Press the "HOUR" and MIN" buttons to set the ON time.
4. Press the "DAY" button to select the day(s) that this setting is relevant.
5. Press the "SET" button to save and proceed to the 1 OFF --:-- screen.
6. Repeat steps 3, 4, and 5 to set the OFF time. Pressing the "SET" button again will take you through the other 19 ON/OFF settings.

### Multiple Weekday Switching Groups:

Apart from individual week days, pressing the "DAY" button also selects multiple day combinations such as:

- Monday thru Friday
- Tuesday & Thursday & Saturday
- Saturday & Sunday
- Monday thru Wednesday.
- Monday thru Saturday
- Thursday thru Saturday.
- Monday & Wednesday & Friday
- Monday thru Sunday.

After selecting a particular day combination, the ON/OFF selection will be in effect on the day configuration selected from above.

### Restart Button:

1. Press the "SET" button to select the ON/OFF setting that needs to be changed
2. Press the "↺" button to reset the current ON/OFF setting seen in Diagram C without having to scroll through all the hours.

Diagram C



Current time display



### Switching Mode Indication:

The actual mode is shown in the display as "ON", "AUTO ON", "OFF" or "AUTO OFF" together with the time of day. Use the "MANUAL" button to adjust this to the desired setting. This can be used to override the timer as explained below.

### Manual Override Option:

Independent of the programming, it is possible at any given time to advance to the next switching command by continuously pressing the key "MANUAL", as shown below:

➔ AUTO OFF ➔ ON ➔ AUTO ON ➔ OFF ➔

ON = Always ON;

OFF = Always OFF;

AUTO ON = Timer is ON and ON/OFF program is activated.

AUTO OFF = Timer is OFF and ON/OFF program is activated.

### Programming the Countdown Feature:

1. Press the "SET" button repeatedly until the CTD icon appears on the display. Refer to Diagram D
2. Press the "HOUR", "MIN" buttons to set the amount of time desired for the device to be on before turning off.
3. Press the "CLOCK" button to store the setting and return to the main display.

Diagram D



### Activating the Countdown Feature:

1. Press the "HOUR" and "MIN" button simultaneously to activate the countdown feature. Refer to Diagram E for more details
2. Other Features of the Countdown
  - a. Press the "MANUAL" button to pause or continue the countdown.
  - b. Press the "CLOCK" button to switch between the clock and countdown display.
  - c. Press "HOUR" and "MIN" button simultaneously to deactivate the countdown.

Diagram E



Current time display

End of countdown ON



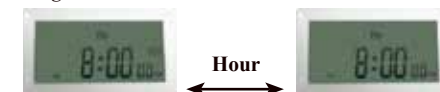
Countdown pause

Show current time

### Random ON/OFF Setting:

1. Press the "HOUR" button for 3 seconds to activate the random feature. The display will show the RND icon. See Diagram F.
2. Press the "HOUR" button for 3 seconds to deactivate the random feature. The display will not show the RND icon.

Diagram F



### Summer Time Feature (DST):

Push the "CLOCK" button for 3 seconds to advance the current time 1 hour, +1h icon should appear on the display. Repeating this process will decrease the time by 1 hour and the +1h icon will disappear. Refer to Diagram G

Diagram G



### Power Back Up Feature:

In the event of a power failure, the timer will retain its settings for an estimated 3 months assuming the power back up is fully charged.