

ASTRONOMICAL TIMER - OPERATION MANUAL



Display will cycle between Current Time, Date, Timer ON Time, and Timer OFF Time

Set Time and Date

Time Format: Military Timing (HH:MM)

Press **↓** (Set Year)

Mode will indicate **Y** representing year

Use **↑** to set current date

Press **↓** again (Set Month)

Mode will indicate **d** representing date

Use **↑** to set the current month

Press **↓** again (Set Day)

Use **↑** to set the current day

Press **↓** again (Set Hour)

Mode will indicate **C** representing current time

Use **↑** to set the hour

Press **↓** again (Set Minutes)

Use **↑** to set the minutes

Press **↓** again (Set Seconds)

Use **↑** to set the seconds

Press **↓** again

All information will be saved

NOTE: Once time and date setting begins, you will have 30 seconds between each entry. If no data is entered within 30 seconds, display will revert to default settings without saving any entry.

Set Current Location or State

Press an hold **↓** for 5 seconds

Mode will count down 5 - 4 - 3 - 2 - 1

Press **↓** 3 times until the mode displays **E**

Display will indicate **Code** or **L-Y**

If display shows **L-Y**, use **↑** until display shows **Code**

Press **↓** once

Display will indicate **C 54** (C and 2 digit number)

Use enclosed state chart to select appropriate 2 digit state code, for example: New York (NY) is 58

Use **↑** to set the state you are in

Press **↓** 2 times and display will show

SAVE momentarily

Now your current location is set up based on your state. Now display will show current time, current date, sunrise, and sunset based on your state.

Dusk to Dawn Operation

Once the current location or state is set up, your timer is ready to operate from sunset to sunrise

Display will cycle "Time - Date - Sunset - Sunrise"

Mode **n** Sunset (Timer ON)

Mode **f** Sunrise (Timer OFF)

Specific ON or OFF Time

You may adjust ON/OFF time by 120 minutes before or after sunset or sunrise

EX. 1: If you like to set the timer to turn ON 30 minutes after the sunset, press and hold **↓** for 5 seconds

Mode will indicate **n**

Use **↑** to set to 30 minutes

Press **↓** 6 times and display shows

SAVE momentarily

Now your timer will turn ON 30 minutes after the sunset

If you like to set the timer to turn ON 30 minutes before the sunset use **↑** to set -30 or minus 30 minutes and repeat the same steps to save parameters

EX. 2: If you like to set the timer to turn OFF 30 minutes after the sun rise, press and hold **↓** for 5 seconds

Press **↓** again, once

Mode will indicate **f**

Use **↑** to set to 30 minutes

Press **↓** 5 times and display shows

SAVE momentarily

Now your timer will turn OFF 30 minutes after the sunrise

If you like to set the timer to turn OFF 30 minutes before the sunrise, use **↑** to set -30 or minus 30 minutes and repeat the same steps to save parameters

EX. 3: If you like to turn OFF the timer at a specific time, press and hold **↓** for 5 seconds

Press **↓** 2 times

Mode will indicate **E**

Use **↑** until display indicates **CLC**

Press **↓** once, Use **↑** to set hour

Press **↓** once, Use **↑** to set minutes

Press **↓** 4 times and display shows

SAVE

Now the timer is set to turn off at a specific time

Daylight Savings Time (DST)

It is required to manually set the DST twice a year

To turn the DST ON, press and hold **↓** for 5 seconds

Press **↓** 5 times until the mode indicates **DoFF**

Use **↑** to turn DST ON

Display will indicate **DoOn**

Press **↓** once and the display shows

SAVE momentarily

Now DST is turned ON

Manual Timer ON or OFF

If for any reason, you need to turn the timer manually ON

Press and hold **↓** for 5 seconds

Display will indicate **Hand**

Now your timer is ON

To turn OFF the timer manually, press and hold **↓** for 5 seconds and display will go back to auto cycling