INSTALLATION & MAINTENANCE GUIDE

AMP® Lighting

AMP® Low Voltage Landscape Lighting

AMP® Digital Timer
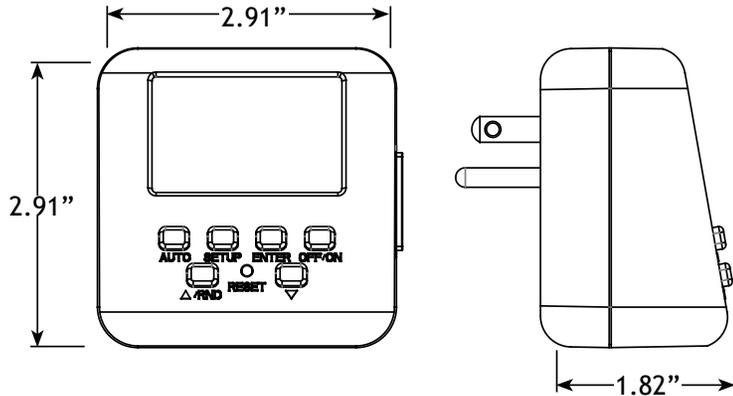
VAC-DTIMER2

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Product Dimensions

Button Descriptions

ON/OFF: Timer Override (Push to turn ON/OFF); if timer is currently on, it will be turned off; if timer is currently off, it will be turned on.

RESET: Push to clear all settings.

▲/RND: During normal program operation, push once to randomly, vary ON/OFF times within 2-30 minutes of programmed times.

▲or▼: Use during programming to scroll through menu options or increase and decrease time and date settings

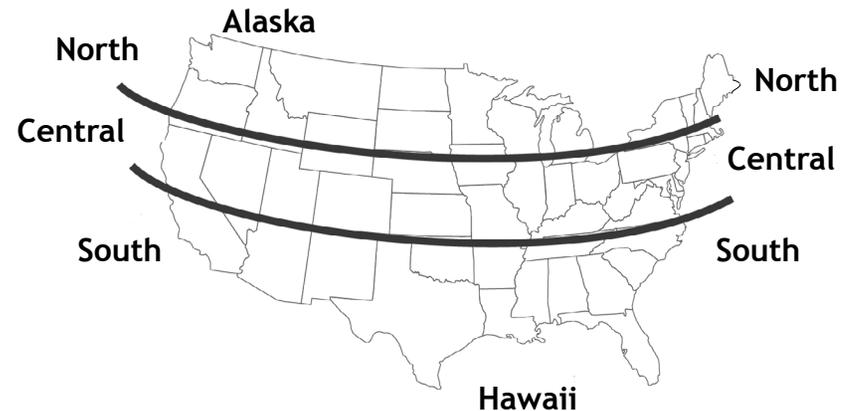**AUTO:** Push when programming is complete to activate timer.

SETUP: Push once to set Calendar/Clock; push twice to set or change programming.

ENTER: Push to confirm menu selections during programming.

Note: If you do not press a button for 30 seconds, it will go back to the current time.

PROGRAMMING - Setting the calendar, Clock, DST, Zone

1. Use a paper clip or pen to press the **RESET** button, and clear the program in the timer. When the reset button is released, the screen will be flashing 12:00 AM.

2. Press the **SETUP** button and **CAL** will be flashing on the screen. Press **ENTER** to begin setting the Calendar.

3. The year will be flashing. Use the ▲or▼ buttons to select the year. Press **ENTER** to confirm the setting.

4. The month will be flashing. Use the ▲or▼ buttons to select the current month. Press **ENTER** to confirm the selection.

5. The day will flashing. Use the ▲or▼ buttons to select the current day. Press **ENTER** to confirm the selection.

6. The screen will be blinking **CLK** for Clock. Press **ENTER** to begin setting the clock.

7. The hour and **AM** or **PM** will be blinking. Use the ▲or ▼to select the correct hour. If you pass from 11 to 12, you will change the AM to PM or PM to AM. Once the correct hour is found, press **ENTER** to confirm the selection.

8. The minutes will be blinking. Use the ▲or ▼to select the correct minute. Press **ENTER** to confirm.

9. The screen will be blinking **DST** for "Daylight Savings Time".**DST** will automatically reset the times in the timer to match the time change. Use the ▲ or ▼button to select the **DST** on or off and press **ENTER** to confirm the selection.

10. The screen should show the word **ZONE** blinking. Press **ENTER** to select your **ZONE**. Look at the map below and determine which zone best fits your location. Use the ▲or▼ to scroll through the available zones in the timer, and stop when you find the zone which describes the location where the timer is being installed. Press **ENTER** to confirm the selection.

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PROGRAMMING – Setting the calendar, Clock, DST, Zone (Continued)

The screen will show **DAWN** (sunrise) and a time with the hour blinking. This is the default time for Dawn. If the hour is not correct, use the ▲ or ▼ buttons to adjust the hour to match the correct time for your area. Once the hour is correct, press **ENTER** to confirm the selection. The minutes are now blinking. If the minutes are not correct, use the ▲ or ▼ buttons to adjust the minutes to match the correct time for your area. When the minutes are correct, press **ENTER** to confirm the selection.

The screen will now show **DUSK** (sunset) and a time with the hour blinking. This is the default time for **DUSK**. If the hour is not correct, use the ▲ or ▼ buttons to select the correct hour to match **DUSK** for you area. Press **ENTER** to confirm the hour. The minutes are now blinking. If the minutes are not correct, use the ▲ or ▼ buttons to change the minutes to match **DUSK** for your area. Press **ENTER** to confirm the selection.

11. The screen will now say **SAVE**. Press **ENTER** to save today's date, time and location data to the timer.

PROGRAMMING ON/OFF EVENTS

1. To begin programming the **ON/OFF** times, press **SETUP** twice.
2. **P1 ON** (Program 1) ON will show on the screen, and 1 will be blinking. Press **ENTER** to begin setting **P1 ON** time, OR you may also use the ▲ or ▼ buttons to scroll any one of the 7 available programs.
3. After pressing **ENTER**, the screen will show **SET**. If you wish to set a time, press **ENTER** to confirm. You may also use the ▲ or ▼ buttons to scroll to **DEL**. If you press **ENTER** on **DEL**, you will delete the program you are on.

PROGRAMMING ON/OFF EVENTS

If you push **ENTER** at **SET** for **P1**, the screen will show **PRG**, **P1 ON**, and the days of the week will be blinking. Use the ▲ or ▼ buttons to scroll through the options in which the timer will be active. The options are:

Mo, Tu, We, Th, Fr, St, Su (default)
Individual days (choose a single day)
Mo, We, Fr
Tu, Th, St
Mo, Tu, We, Th, Fr
St, Su

Select the days you want the program to be active and press ENTER to confirm the selection.

Now that you have chosen the days, the timer is activated, and the next step is to choose the time. The screen should show **DAWN** blinking. Use the ▲ or ▼ to scroll through the three switching time options which are **DAWN**, **DUSK** (the programmed times selected during the timer setup) or **TIME** (to set custom times).

If you would like the timer to turn on at the preset time for **DAWN**, press **ENTER** to move to the **P1 OFF** setting.

If you would like the timer to turn on at the preset time for **DUSK**, use the ▲ or ▼ buttons to change the option on the screen to **DUSK**, and press **ENTER**, to move to the **P1 OFF** setting.

If you would like to choose a custom time other than **DAWN** or **DUSK**, use the ▲ or ▼ buttons to change the option on the screen to **TIME**, and press **ENTER**. The hour should be blinking. Use the ▲ or ▼ buttons to set the correct hour. If you pass the 11 to 12, you will change the AM to PM. Once the correct hour is selected, press **ENTER** to confirm. The minutes will be blinking. Use the ▲ or ▼ buttons to set the correct minute, then press **ENTER** to confirm the selection. The screen will show **PRG P1 OFF**, and the days of the week will be blinking. Choose the days you want the program to be active, and press **ENTER**.

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PROGRAMMING ON/OFF EVENTS (Continued)

Now that you have chosen the days, the timer will function, and the next step is to choose the time the program will turn off. Use the ▲ or ▼ buttons to scroll through the 3 options **DAWN**, **DUSK**, or **TIME**, and precede the same as you did for **PROG1 ON**.

After programming the **P1 OFF** time, press **ENTER** to confirm. The screen will now say **SAVE**. Press **ENTER** to save program 1 to the timer. **P2 ON** (Program 2 on) should be blinking. Press **ENTER** to begin setting **P2 ON**. You may also use the ▲ or ▼ buttons to scroll through all 7 programs, or push **AUTO** to complete the programming and start the timer.

RANDOM SECURITY OPTION

The random feature **RND** will delay turning the lights off. The delay of 2 to 30 minutes is randomly selected by the timer each day to give the house a more lived in appearance while the occupant is away.

1. Push **RND** (Random) button to activate the Random feature. The screen will change from **AUTO** to **RND**.
2. Push **AUTO** to button to de-activate the Random feature and return the timer to its current programming.

ASTRONOMICAL TIMER INSTRUCTIONS

After the time, date, location and dawn/dusk information is entered, this timer will automatically adapt to seasonal changes in daylight hours without reprogramming.

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