RT-200
**Astronomical
Time Switch**
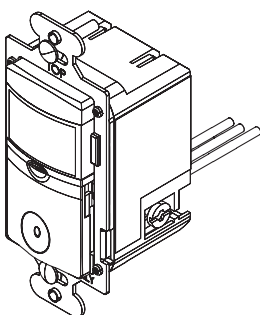
SPECIFICATIONS

Voltage........................ .... 120VAC, 60Hz
Load (Single Pole)
  @120VAC............ ....0-800W tungsten or ballast, 1/6HP
Environment...................... .... Indoor Use Only
  Operating Temperature...... ....32˚ to 131˚ F (0˚ to 50˚ C)
  Humidity.. 95% RH, non-condensing
Tools Needed
  Insulated Screwdriver
  Wire Strippers

ONLINE LONGITUDE/LATITUDE
LOCATOR TOOL - GO TO
WWW.WATTSTOPPER.COM/RT-200

WattStopper®   Santa Clara, CA 95050

Please read all instructions before installing

DESCRIPTION AND OPERATION

The RT-200 is an astronomic time clock that controls the connected light or fan either manually or through user programmed times.

Upon installation the user enters the correct longitude/latitude coordinates, date, and local time. (See SETUP.) This ensures that once the schedules are programmed, the load turns ON/OFF at the correct local times.

Lighted Switch

To help locate the switch button in a dark room, an amber LED illuminates the ON/OFF button while the controlled load is OFF. When the load is ON, the LED is OFF.
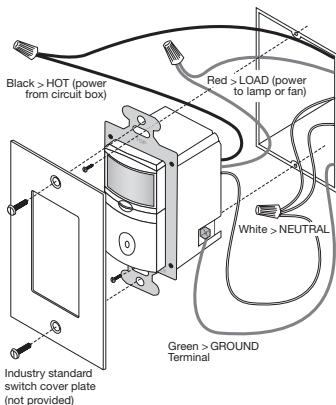
INSTALLATION & WIRING

WARNING
**Disconnect power at the circuit breaker
before installing this product.**

1. **Prepare the switch box**

   After the power is turned OFF at the circuit breaker box, remove the existing wall plate and mounting screws. Pull the old switch from the wall box.

2. **Identify the type of circuit**

   In a single pole circuit, two single wires connect to two screws on the existing switch. A ground wire may also be present and connected to a ground terminal on the old switch. A neutral wire should also be present in the wall box.


Black > HOT (power from circuit box)

Red > LOAD (power to lamp or fan)

White > NEUTRAL

Green > GROUND Terminal

Industry standard switch cover plate (not provided)

WARNING

Only connect the RT-200 to a Single Pole Circuit.
The RT-200 is not suitable for 3-way switching.
If the existing wiring does not match the description for a Single Pole Circuit, you should consult with a qualified electrician.

3. Prepare the wires.

Tag the wires currently connected to the existing switch, so that they can be identified later. Disconnect the wires. Make sure the insulation is stripped off the wires to expose their copper cores to the length indicated by the "Strip Gage" (approximately ½ inch).

Strip Gage

1/2"
12.7 mm
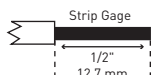
4. Wire the time switch.

Twist the existing wires together with the wire leads on the RT-200 as indicated in the table below. Cap them securely using the wire nuts provided.

Power wire from the circuit (hot)	**to**	Black wire on RT-200
Power wire from the lamp or fan (load)	**to**	Red wire on RT-200
Neutral wires from the circuit	**to**	White wire on RT-200
Ground wire from the circuit	**to**	Ground terminal on RT-200

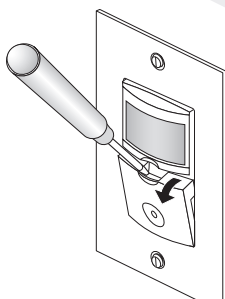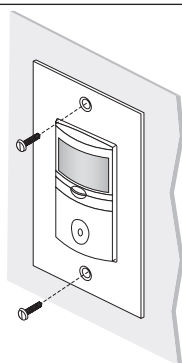**5. Put the RT-200 in the wall box with the display positioned above the ON/OFF button.**

Secure it to the wall box with the screws provided.

6. Install cover plates.

Install industry standard decorator wall switch cover plate (not included).

7. Restore power to the circuit.

Turn on the breaker or replace the fuse.

SETUP

To access the programming buttons, place the tip of a flat head screwdriver behind the lip at the top of the ON/OFF button and pull the button toward you. Slide the ON/OFF button down over the wallplate.

Buttons

The three programming buttons are used to set up the astronomic time switch according to the user's preferences and location.
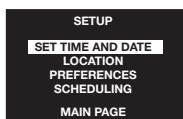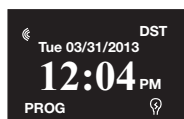

Display

Center Button
Select/Save

↓ Lower Button

Menu/Raise ↑

Slide Down
ON/OFF
Button
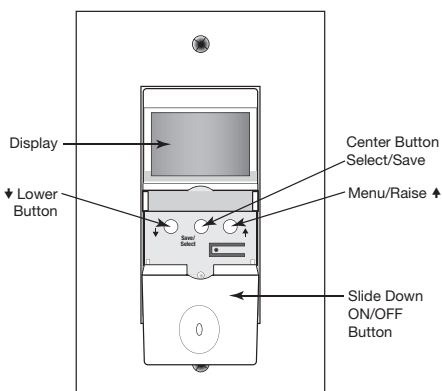
RT-200 Menu Options

From the standard display, known as the "MAIN PAGE" press and release the ↑ button to enter **SETUP** menu.

Press the ↓ button to move to desired **SETUP** menu option.

When the option that you want to program is highlighted, press the **CENTER** button.

DST
Tue 03/31/2013
12:04 PM
PROG

SETUP
SET TIME AND DATE
LOCATION
PREFERENCES
SCHEDULING
MAIN PAGE

SETUP
SET TIME AND DATE
LOCATION
PREFERENCES
SCHEDULING
MAIN PAGE

Once in the SETUP menu if there is no activity for 10 minutes, the unit automatically exits out to the MAIN PAGE.

Call 800.879.8585 for Technical Support

SET TIME AND DATE MENU

Within the **SET TIME AND DATE** menu you will enter the correct time, date and Daylight Savings Time (DST) start and end days. The unit is shipped with the correct DST start and end dates already programmed.

Setting	Steps
TIME	
Hour	1. From the **SETUP** menu highlight **SET TIME AND DATE** and press the **CENTER** button. **TIME** should be highlighted.
	2. Press the **CENTER** button to highlight hour.
	3. Press the ↓ button to decrease the hour or the ↑ button to increase the hour.
	4. Press the **CENTER** button to save hour setting and move highlighted cursor to minute.
Minute	1. Press the ↓ button to decrease the minute or the ↑ button to increase the minute.
	2. Press the **CENTER** button to save time setting.
DATE	1. Press the ↓ button to highlight **DATE**.
Month	1. Press the **CENTER** button to highlight month.
	2. Press the ↓ button to decrease the month or the ↑ button to increase the month.
	3. Press the **CENTER** button to save month setting and move highlighted cursor to day.
Day	1. Press the ↓ button to decrease the day or the ↑ button to increase the day.
	2. Press the **CENTER** button to save day setting and move highlighted cursor to year.
Year	1. Press the ↓ button to decrease the year or the ↑ button to increase the year.
	2. Press the **CENTER** button to save year setting.
DST (DAYLIGHT SAVINGS TIME)	Factory Default Setting: **DST ENABLED** (The unit will automatically adjust for Daylight Savings Time).
	Press the ↓ button to highlight **DST**
DST When enabled, DST appears in the upper right corner of the MAIN PAGE.	1. Press the **CENTER** button to highlight **ENABLED**.
	2. Press the ↑ button to switch between **ENABLED** and **DISABLED**.
	3. Press the **CENTER** button to save **DST** setting.
Start - Week (Input week when DST starts)	1. Press the ↓ button to highlight **START**. Press the **CENTER** button to highlight 1st.
	2. Press the ↓ button to decrease the week of the month or the ↑ button to increase the week of the month.
	3. Press the **CENTER** button to save the week and move highlighted cursor to the month.
Start – Month (Input month when DST starts)	1. Press the ↓ button to decrease the start month or the ↑ button to increase the start month.
	2. Press the **CENTER** button to save month.
End – Week	1. Press the ↓ to highlight End.
	2. Follow same steps for Start – Week.
End – Month	Follow same steps for Start - Month.

To exit **SET TIME AND DATE** menu, press the ↓ button to highlight **PREVIOUS** menu. Press the **CENTER** button to select and return to the **SETUP** menu.

LOCATION MENU

Within the **LOCATION** menu you will be required to enter the local longitude/latitude coordinates and time zone. If you do not know this information, we have included a list of the major US cities on page 6. You can also go to our website for a more detailed list at www.wattstopper.com/RT-200.

Setting	Steps
TIME ZONE	1. From the **SETUP** menu highlight **LOCATION** and press the **CENTER** button. **TIME ZONE** should be highlighted. 2. Press the **CENTER** button to select the time zone. 3. Press the ↓ button to decrease the time zone or the ↑ button to increase the time zone. 4. Press the **CENTER** button to save time zone setting.
LONGITUDE	1. Press the ↓ button to highlight **LONGITUDE**. 2. Press the **CENTER** button to select the longitude 3. Press the ↓ button to decrease the longitude or the ↑ button to longitude the time zone. 4. Press the **CENTER** button to save longitude setting.
LATITUDE	1. Press the ↓ button to highlight **LATITUDE**. 2. Press the **CENTER** button to select the latitude. 3. Press the ↓ button to decrease the latitude or the ↑ button to latitude the time zone. 4. Press the **CENTER** button to save latitude setting.

To exit the **LOCATION** menu, press the ↓ button to highlight **PREVIOUS MENU**. Press the **CENTER** button to select and return to the **SETUP** menu. Once the location information is entered, return to the **MAIN PAGE** and press the left button. This will display the sunrise and sunset times. Use this as a check to validate that the location information has been entered in correctly.

PREFERENCES

The **PREFERENCES** menu allows the user to customize the unit's features including the time/date format, sound and flash.

- Time format – choose between a 12-hour or 24-hour format
- Date format – choose between **MM/DD/YY** or **DD-MM-YY**
- Sound – When **SOUND** is enabled the RT-200 will beep every 5 seconds when the load is going to be turned OFF in less than a minute. It will also beep each time the user presses the ↑, the **CENTER**, or the ↓ button. A small ear icon will appear on the **MAIN PAGE** when sound is enabled.
- Flash – When **FLASH** is enabled the RT-200 turns OFF the load for 1 second and then turns it back ON to warn the user that the load is turning OFF in 1 minute. When flash is enabled, a lightening bolt icon will appear on the **MAIN PAGE**.

Setting	Steps
TIME FORMAT	1. From the **SETUP** menu highlight **PREFERENCES** and press the **CENTER** button. **TIME FMT** should be highlighted. 2. Press the **CENTER** button to select time format. 3. Press the ↑ button to change format. 4. Press the **CENTER** button to save time format setting and to move highlighted cursor back to **TIME FMT**.
DATE FORMAT	1. Press the ↓ button to highlight **DATE FMT**. Press the **CENTER** button to select date format. 2. Press the ↑ button to change format. 3. Press the **CENTER** button to save date format.
SOUND ≪	1. Press the ↓ button to highlight **SOUND**. Press the **CENTER** button to select the sound setting. 2. Press the ↑ button to enable or disable sound. 3. Press the **CENTER** button to save setting.
FLASH ⚡	1. Press the ↓ button to highlight **FLASH**. Press the **CENTER** button to select the flash setting. 2. Press the ↑ button to enable or disable flash. 3. Press the **CENTER** button to save setting.

To exit the **PREFERENCES** menu, press the ↓ button to highlight **PREVIOUS MENU**. Press the **CENTER** button to select and return to the **SETUP** menu.

SCHEDULING

The RT-200 has 8 programs allowing the user flexibility in setting schedules to turn the connected load ON/OFF.

Setting	Steps
PROGRAM	1. From the **SETUP** menu highlight **SCHEDULING** and press the **CENTER** button. **PROGRAM** should be highlighted. 2. Press the **CENTER** button to select program #. 3. Press the ↓ button to decrease the program and the ↑ button to increase the program #. 4. Press the **CENTER** button to save the program #.
Day(s) - Set the days of the week the lights will turn ON for that particular program	1. Press the ↓ button to highlight **DAY(s)**. Press the **CENTER** button to select the days when the program will operate. 2. Press the ↑ to choose the day(s); choices include: • None (program is not in use). • All (program turns ON the connected load every day). • Mon – Fri (program turns ON the connected load Monday through Friday). • Weekends (program turns ON the connected load Saturday and Sunday. • Each individual day of the week (choose the day of the week that the connected load should turn ON). 3. Press the **CENTER** button to save setting.
ON – Program the time the connected load turns ON	1. Press the ↓ button to highlight ON. Press the **CENTER** button to select what time the load will turn on. 2. Press the ↑ to set the ON time; choices include: • TIME (program a specific time to turn ON the load). • DUSK (program up to 99 minutes before or after dusk for the load to turn ON. Note: this is one of the reasons that it is important that the correct time zone, longitude/latitude coordinates are entered so that the time switch can determine when dawn and dusk will take place). • DAWN (program up to 99 minutes before or after dawn for the load to turn ON. 3. Press the CENTER button to save setting.
OFF – Program the time the connected load turns OFF	1. Press the ↓ button to highlight OFF. Press the **CENTER** button to select what time the load will turn off. 2. Press the ↑ to set the OFF time; choices are the same as for the ON time. 3. Press the **CENTER** button to save setting.

Follow the same steps to set Programs 1-8.

To exit the **SCHEDULING** menu, press the ↓ button to highlight **PREVIOUS** menu. Press the **CENTER** button to select and return to the **SETUP** menu.

VIEWING SETTINGS

Once the RT-200 has been completely set up, it is possible to see the various programs without needing to enter the **SETUP** menu. From the **MAIN PAGE** press and hold the ON/OFF button. After 5 seconds the display changes to show the sunrise and sunset time. Continue to press and hold the ON/OFF button. The display will cycle through the 8 programs. Once the RT-200 has completed this cycle, it will continue to cycle through the programs as long as the button is being pressed.

MANUAL-ON

When the lights are turned ON manually, the word **MANUAL** appears on the bottom left corner of the display. The load stays ON until it is manually turned OFF or until a scheduled program turns the load off. For example, if the load was scheduled to be turned OFF at a set time, such as 10:00 PM, and it was manually turned ON before 10:00, then at 10:00 the load automatically turns OFF and the program number that turned it OFF will replace **MANUAL** on the display.

When the load is on the light bulb on the lower right corner of the display on the **MAIN PAGE** will have light beams surrounding it. When the connected load is off, the light beams will disappear.

TROUBLESHOOTING

Lighted switch is OFF, no load response to ON/OFF button press:

  • Make certain that the circuit breaker is on and functioning.

Lighted switch is ON, no load response to ON/OFF button press:

  • Check the light bulb and/or motor switch on the fan mechanism.

If load does not respond properly after following troubleshooting, turn OFF power to the circuit then check wire connections or call technical support.

POWER FAILURE

In the event of a loss of power to the RT-200, the unit will maintain the correct time, location and settings for 72 hours.

PRODUCT RESET

The RT-200 has a reset button located under the ON/OFF button. If the unit has lost power for an extended period of time (more than 72 hours) and the unit appears to be functioning abnormally (the display is not on or lights are not turning ON/OFF according to the appropriate schedule), it may be necessary to reset the unit. Press and release the reset button. The display will reset so that the Watt Stopper logo appears as it does upon initial power up. At this point, the user will be able to set the date, time and location and reset the programs.

Reset Button
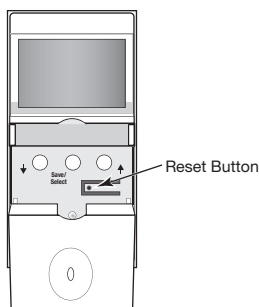
COVER PLATES

WattStopper RT wall switches fit behind industry standard decorator style switch cover plates.

TOP MAJOR US CITY LOCATIONS

CITY, STATE	GMT	LAT	LONG	CITY, STATE	GMT	LAT	LONG
Albuquerque, NM	-7	35	-107	Memphis, TN	-6	35	-90
Arlington, TX	-6	32	-97	Mesa, AZ	-7	33	-111
Atlanta, GA	-5	34	-84	Miami, FL	-5	26	-80
Austin, TX	-6	30	-98	Milwaukee, WI	-6	43	-88
Baltimore, MD	-5	39	-77	Minneapolis, MN	-6	45	-94
Boston, MA	-5	42	-71	Nashville, TN	-6	36	-87
Charlotte, NC	-5	35	-81	New Orleans, LA	-6	30	-90
Chicago, IL	-6	42	-88	New York, NY	-5	41	-74
Cleveland, OH	-5	41	-82	Oakland, CA	-8	38	-122
Colorado Springs, CO	-7	38	-104	Oklahoma City, OK	-6	35	-98
Columbus, OH	-5	40	-83	Omaha, NE	-6	41	-96
Dallas, TX	-6	33	-97	Philadelphia, PA	-5	40	-75
Denver, CO	-7	40	-105	Phoenix, AZ	-7	33	-112
Detroit, MI	-5	42	-83	Portland, OR	-8	46	-123
El Paso, TX	-7	32	-106	Raleigh, NC	-5	36	-79
Fort Worth, TX	-6	33	-97	Sacramento, CA	-8	39	-121
Fresno, CA	-8	37	-120	Salt Lake City, UT	-7	41	-112
Honolulu, HI	-10	21	-158	San Anotnio, TX	-6	30	-98
Houston, TX	-6	30	-95	San Diego, CA	-8	33	-117
Indianapolis, IN	-5	40	-86	San Francisco, CA	-8	38	-122
Jacksonville, FL	-5	30	-82	San Jose, CA	-8	37	-122
Kansas City, MO	-6	39	-95	Seattle, WA	-8	47	-122
Las Vegas, NV	-8	36	-115	Tucson, AZ	-7	32	-111
Long Beach, CA	-8	34	-118	Tulsa, OK	-6	36	-96
Louisville, KY	-5	38	-86	Virginia Beach, VA	-5	36	-75
Los Angeles, CA	-8	34	-118	Washington, DC	-5	39	-77

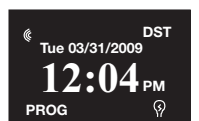## APPENDIX: NAVIGATION, USER OPTIONS & PROGRAMMING

When first powered up, the Watt Stopper logo appears.

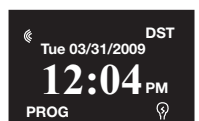Standard display, aka: **MAIN PAGE** when the RT-200 is powered and running:

▶
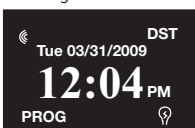
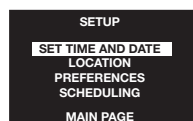Press and hold the ↓ button to see sunset, sunrise, software version and date:

▶

RISE TIME:
06:40
SET TIME:
19:34
VER: 2.0
Jan 19 2009

RT-200 MENU OPTIONS

From the **MAIN PAGE**, press and release the ↑ button to enter **SETUP** menu.

▶

SETUP
SET TIME AND DATE
LOCATION
PREFERENCES
SCHEDULING
MAIN PAGE

Press the ↓ button to move to desired **SETUP** function.

General Notes: Once in **SETUP** menu, the ↓ button moves to the previous menu or decreases the value, the ↑ button moves to next menu or increases the value. The **CENTER** button confirms the selected variable.
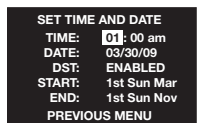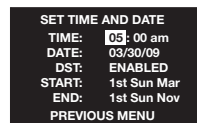
SET TIME AND DATE

Setting the TIME
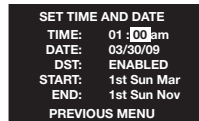
Press the **CENTER** button to highlight **TIME**.

SET TIME AND DATE
TIME: 01:00 am
DATE: 03/30/09
DST: ENABLED
START: 1st Sun Mar
END: 1st Sun Nov
PREVIOUS MENU

▶

Press the **CENTER** button to highlight the hour.

SET TIME AND DATE
TIME: **01**: 00 am
DATE: 03/30/09
DST: ENABLED
START: 1st Sun Mar
END: 1st Sun Nov
PREVIOUS MENU

▶

Press the ↓ or the ↑ button to decrease or increase the hour.

SET TIME AND DATE
TIME: **05**: 00 am
DATE: 03/30/09
DST: ENABLED
START: 1st Sun Mar
END: 1st Sun Nov
PREVIOUS MENU

Once the hour is set, press the **CENTER** button to highlight minutes.

SET TIME AND DATE
TIME: 01:**00** am
DATE: 03/30/09
DST: ENABLED
START: 1st Sun Mar
END: 1st Sun Nov
PREVIOUS MENU

▶

Press the ↓ or the ↑ button to decrease or increase the minutes.

SET TIME AND DATE
TIME: 05:**30** am
DATE: 03/30/09
DST: ENABLED
START: 1st Sun Mar
END: 1st Sun Nov
PREVIOUS MENU

▶

Once the minutes are set, press the **CENTER** button to save the setting.

SET TIME AND DATE
TIME: 05:30 am
DATE: 03/30/09
DST: ENABLED
START: 1st Sun Mar
END: 1st Sun Nov
PREVIOUS MENU

Setting the DATE

Press the ↓ button to highlight **DATE**.
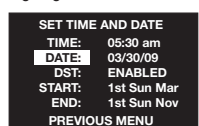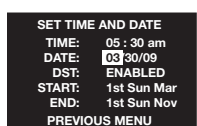
SET TIME AND DATE
TIME: 05:30 am
DATE: 03/30/09
DST: ENABLED
START: 1st Sun Mar
END: 1st Sun Nov
PREVIOUS MENU

▶

Press the **CENTER** button to highlight the month.

SET TIME AND DATE
TIME: 05 : 30 am
DATE: **03**/30/09
DST: ENABLED
START: 1st Sun Mar
END: 1st Sun Nov
PREVIOUS MENU

▶

Press the ↓ or the ↑ button to change the month.

SET TIME AND DATE
TIME: 05 : 30 am
DATE: **04**/30/09
DST: ENABLED
START: 1st Sun Mar
END: 1st Sun Nov
PREVIOUS MENU
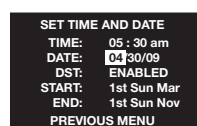
Press the **CENTER** button to move to day.

```
SET TIME AND DATE
TIME:     05 : 30 am
DATE:     04.30.09
DST:      ENABLED
START:    1st Sun Mar
END:      1st Sun Nov
PREVIOUS MENU
```

Press the ↓ or the ↑ button to change the day.

```
SET TIME AND DATE
TIME:     05:30 am
DATE:     04.01.09
DST:      ENABLED
START:    1st Sun Mar
END:      1st Sun Nov
PREVIOUS MENU
```

Press the **CENTER** button to move to year.

```
SET TIME AND DATE
TIME:     05 : 30 am
DATE:     04/01/09
DST:      ENABLED
START:    1st Sun Mar
END:      1st Sun Nov
PREVIOUS MENU
```

Press the ↓ or the ↑ button to change the year.

```
SET TIME AND DATE
TIME:     05 : 30 am
DATE:     04/01/10
DST:      ENABLED
START:    1st Sun Mar
END:      1st Sun Nov
PREVIOUS MENU
```

Once the **DATE** values are set, press the **CENTER** button to save the setting.

```
SET TIME AND DATE
TIME:     05:30 am
DATE:     04/01/10
DST:      ENABLED
START:    1st Sun Mar
END:      1st Sun Nov
PREVIOUS MENU
```

Daylight Savings Time (DST)

Enter the DST start and end days. The unit is shipped with the correct DST start and end dates already programmed.

Setting the DST (DAYLIGHT SAVINGS TIME)

Press the ↓ button to move to highlight **DST**.

```
SET TIME AND DATE
TIME:     05:30 am
DATE:     03/30/09
DST:      ENABLED
START:    1st Sun Mar
END:      1st Sun Nov
PREVIOUS MENU
```

Press the **CENTER** button to highlight **ENABLED**.

```
SET TIME AND DATE
TIME:     05 : 30 am
DATE:     04/30/09
DST:      ENABLED
START:    1st Sun Mar
END:      1st Sun Nov
PREVIOUS MENU
```

Press the ↓ or the ↑ button to choose **ENABLED** or **DISABLED**.

```
SET TIME AND DATE
TIME:     05 : 30 am
DATE:     04/30/09
DST:      DISABLED
START:    1st Sun Mar
END:      1st Sun Nov
PREVIOUS MENU
```

Once **DST** is enabled or disabled, press the **CENTER** button to save the setting.

```
SET TIME AND DATE
TIME:     05:30 am
DATE:     03/30/09
DST:      ENABLED
START:    1st Sun Mar
END:      1st Sun Nov
PREVIOUS MENU
```

Setting the DST START DATE

Press the ↓ button to move to highlight **START**.

```
SET TIME AND DATE
TIME:     05:30 am
DATE:     03/30/09
DST:      ENABLED
START:    1st Sun Mar
END:      1st Sun Nov
PREVIOUS MENU
```

Press the **CENTER** button to move to Week in the month.

```
SET TIME AND DATE
TIME:     05 : 30 am
DATE:     04/30/09
DST:      DISABLED
START:    1st Sun Mar
END:      1st Sun Nov
PREVIOUS MENU
```

Press the ↓ or the ↑ button to choose the week.

```
SET TIME AND DATE
TIME:     05 : 30 am
DATE:     04/30/09
DST:      DISABLED
START:    2nd Sun Mar
END:      1st Sun Nov
PREVIOUS MENU
```

Once the week is selected, Press the **CENTER** button to highlight month.

```
SET TIME AND DATE
TIME:     01 : 00 am
DATE:     03/30/09
DST:      ENABLED
START:    2nd Sun Mar
END:      1st Sun Nov
PREVIOUS MENU
```

Press the ↓ or the ↑ button to choose the month.

```
SET TIME AND DATE
TIME:     05 : 30 am
DATE:     03/30/09
DST:      ENABLED
START:    2nd Sun Apr
END:      1st Sun Nov
PREVIOUS MENU
```

Once the month is set, press the **CENTER** button to save the setting.

```
SET TIME AND DATE
TIME:     05:30 am
DATE:     03/30/09
DST:      ENABLED
START:    2nd Sun Apr
END:      1st Sun Nov
PREVIOUS MENU
```

Setting the DST END DATE

Repeat the same process as setting the DST start date for setting the DST end date. Once the DST end date is set, press the ↓ button to highlight PREVIOUS menu. Press CENTER button to return to the SETUP menu.

LOCATION
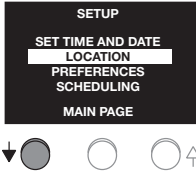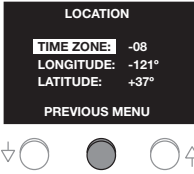
If the location information is unknown, visit our website at www.wattstopper.com/RT-200 for detailed information.

Setting the TIME ZONE

Press the ↓ button to highlight **LOCATION**.
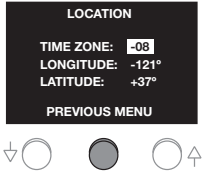
```
SETUP

SET TIME AND DATE
LOCATION
PREFERENCES
SCHEDULING

MAIN PAGE
```
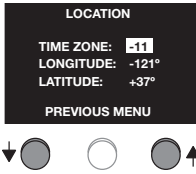↓● ○ ○↑

Press the **CENTER** button to highlight **TIME ZONE**.

```
LOCATION

TIME ZONE:   -08
LONGITUDE:  -121°
LATITUDE:    +37°

PREVIOUS MENU
```
↓○ ● ○↑

Press the **CENTER** button to highlight time zone values.

```
LOCATION

TIME ZONE:   -08
LONGITUDE:  -121°
LATITUDE:    +37°

PREVIOUS MENU
```
↓○ ● ○↑

Press the ↓ or the ↑ button to decrease or increase the value.

```
LOCATION

TIME ZONE:   -11°
LONGITUDE:  -121°
LATITUDE:    +37°

PREVIOUS MENU
```
↓● ○ ●↑

Once time zone is set, press the **CENTER** button to save the setting.

```
LOCATION

TIME ZONE:   -08
LONGITUDE:  -121°
LATITUDE:    +37°

PREVIOUS MENU
```
↓○ ● ○↑
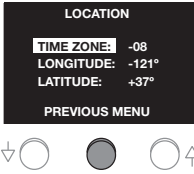
Setting the LONGITUDE

Press the ↓ button to highlight LONGITUDE.

```
LOCATION

TIME ZONE:   -08
LONGITUDE:  -121°
LATITUDE:    +37°

PREVIOUS MENU
```
↓● ○ ○↑
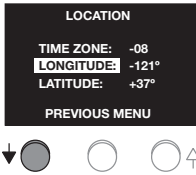
Press the **CENTER** button to highlight Longitude values.

```
LOCATION

TIME ZONE:   -08
LONGITUDE:  -121°
LATITUDE:    +37°

PREVIOUS MENU
```
↓○ ● ○↑

Press the ↓ or the ↑ button to to decrease or increase the value.

```
LOCATION

TIME ZONE:   -08
LONGITUDE:  +155°
LATITUDE:    +37°

PREVIOUS MENU
```
↓● ○ ●↑
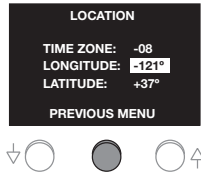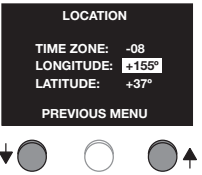
Once Longitude is set, press the **CENTER** button to save the setting.

```
LOCATION

TIME ZONE:   -08
LONGITUDE:  -121°
LATITUDE:    +37°

PREVIOUS MENU
```
↓○ ● ○↑
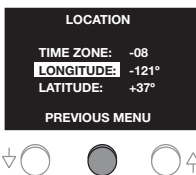
Setting the LATITUDE

Press the ↓ button to highlight LATITUDE.

```
LOCATION

TIME ZONE:   -08
LONGITUDE:  +155°
LATITUDE     +37°

PREVIOUS MENU
```
↓● ○ ○↑
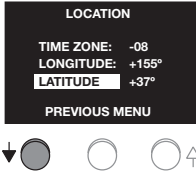
Press the **CENTER** button to highlight Latitude values.

```
LOCATION

TIME ZONE:   -08
LONGITUDE:  +155°
LATITUDE:    +37°

PREVIOUS MENU
```
↓○ ● ○↑

Press the ↓ or the ↑ button to to decrease or increase the value.

```
LOCATION

TIME ZONE:   -08
LONGITUDE:  +155°
LATITUDE:    +37°

PREVIOUS MENU
```
↓● ○ ●↑
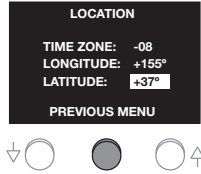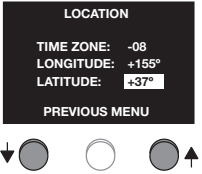
Once Latitude is set, press the **CENTER** button to save the setting.
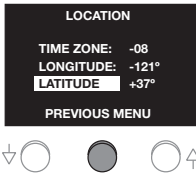
```
LOCATION

TIME ZONE:   -08
LONGITUDE:  -121°
LATITUDE     +37°

PREVIOUS MENU
```
↓○ ● ○↑

Press the ↓ button to highlight **PREVIOUS** menu.

```
LOCATION

TIME ZONE:   -08
LONGITUDE:  -121°
LATITUDE:    +37°

PREVIOUS MENU
```
↓● ○ ○↑

Once **PREVIOUS** menu is highlighted press the **CENTER** button to return to **SETUP** menu.

```
SETUP

SET TIME AND DATE
LOCATION
PREFERENCES
SCHEDULING

MAIN PAGE
```
↓○ ● ○↑

Call 800.879.8585 for Technical Support
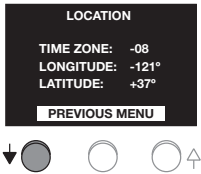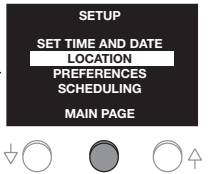
PREFERENCES

Setting the TIME FORMAT

Press the ↓ button to highlight **PREFERENCES**.

```
        SETUP
  SET TIME AND DATE
      LOCATION
    PREFERENCES
     SCHEDULING
      MAIN PAGE
```
↓● ○ ○↑

Press the **CENTER** button to highlight **TIME FMT**.

```
      PREFERENCES
  TIME FMT:   12 HOURS
  DATE FMT:   MM/DD/YY
  SOUND:      ENABLED
  FLASH:      DISABLED
    PREVIOUS MENU
```
↓○ ● ○↑
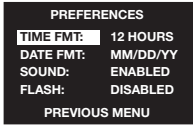
Press the **CENTER** button to highlight the time setting.

```
      PREFERENCES
  TIME FMT:   12 HOURS
  DATE FMT:   MM/DD/YY
  SOUND:      ENABLED
  FLASH:      DISABLED
    PREVIOUS MENU
```
↓○ ● ○↑

Press the ↓ or the ↑ button to switch between 12 hours and 24 hours.

```
      PREFERENCES
  TIME FMT:   24 HOURS
  DATE FMT:   MM/DD/YY
  SOUND:      ENABLED
  FLASH:      DISABLED
    PREVIOUS MENU
```
↓● ○ ●↑
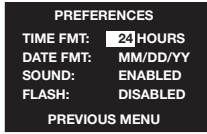
Once time format is set, press the **CENTER** button to save the setting.

```
      PREFERENCES
  TIME FMT    24 HOURS
  DATE FMT:   MM/DD/YY
  SOUND:      ENABLED
  FLASH:      DISABLED
    PREVIOUS MENU
```
↓○ ● ○↑
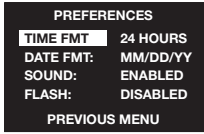
Setting the DATE FORMAT

Press the ↓ button to highlight **DATE FMT**.
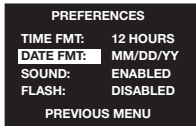
```
      PREFERENCES
  TIME FMT:   12 HOURS
  DATE FMT:   MM/DD/YY
  SOUND:      ENABLED
  FLASH:      DISABLED
    PREVIOUS MENU
```
↓● ○ ○↑

Press the **CENTER** button to highlight month setting.

```
      PREFERENCES
  TIME FMT:   12 HOURS
  DATE FMT:   MM/DD/YY
  SOUND:      ENABLED
  FLASH:      DISABLED
    PREVIOUS MENU
```
↓○ ● ○↑

Press the ↓ or the ↑ button to choose the month setting.

```
      PREFERENCES
  TIME FMT:   24 HOURS
  DATE FMT:   MM/DD/YY
  SOUND:      ENABLED
  FLASH:      DISABLED
    PREVIOUS MENU
```
↓● ○ ●↑
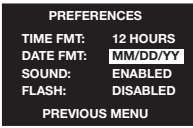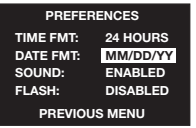
Once month format is set, press the **CENTER** button to save the setting.

```
      PREFERENCES
  TIME FMT:   12 HOURS
  DATE FMT:   MM/DD/YY
  SOUND:      ENABLED
  FLASH:      DISABLED
    PREVIOUS MENU
```
↓○ ● ○↑
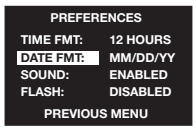
Setting the SOUND

Press the ↓ button to highlight **SOUND**.
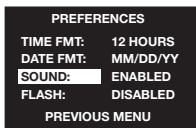
```
      PREFERENCES
  TIME FMT:   12 HOURS
  DATE FMT:   MM/DD/YY
  SOUND:      ENABLED
  FLASH:      DISABLED
    PREVIOUS MENU
```
↓● ○ ○↑

Press the **CENTER** button to highlight **ENABLED**.

```
      PREFERENCES
  TIME FMT:   12 HOURS
  DATE FMT:   MM/DD/YY
  SOUND:      ENABLED
  FLASH:      DISABLED
    PREVIOUS MENU
```
↓○ ● ○↑

Press the ↓ or the ↑ button to choose **ENABLED** or **DISABLED**.

```
      PREFERENCES
  TIME FMT:   24 HOURS
  DATE FMT:   MM/DD/YY
  SOUND:      DISABLED
  FLASH:      DISABLED
    PREVIOUS MENU
```
↓● ○ ●↑
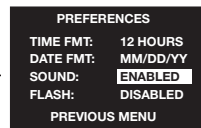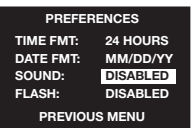
Once sound preference is set, press the **CENTER** button to save the setting.

```
      PREFERENCES
  TIME FMT:   12 HOURS
  DATE FMT:   MM/DD/YY
  SOUND:      DISABLED
  FLASH:      DISABLED
    PREVIOUS MENU
```
↓○ ● ○↑
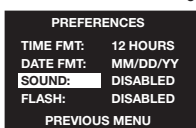
Setting the FLASH

Press the ↓ button to highlight **FLASH**.

PREFERENCES
TIME FMT: 12 HOURS
DATE FMT: MM/DD/YY
SOUND: DISABLED
FLASH: DISABLED
PREVIOUS MENU
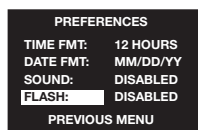
Press the **CENTER** button to highlight **DISABLED**.

PREFERENCES
TIME FMT: 12 HOURS
DATE FMT: MM/DD/YY
SOUND: DISABLED
FLASH: DISABLED
PREVIOUS MENU

Press the ↓ or the ↑ button to choose **ENABLED** or **DISABLED**.

PREFERENCES
TIME FMT: 24 HOURS
DATE FMT: MM/DD/YY
SOUND: DISABLED
FLASH: ENABLED
PREVIOUS MENU
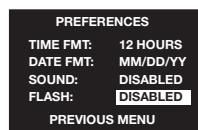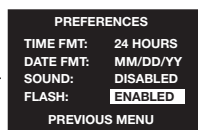
Once flash preference is set, press the **CENTER** button to save the setting.
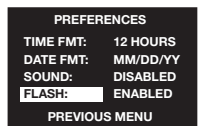
PREFERENCES
TIME FMT: 12 HOURS
DATE FMT: MM/DD/YY
SOUND: DISABLED
FLASH: ENABLED
PREVIOUS MENU

Press the ↓ button to highlight **PREVIOUS MENU**.

PREFERENCES
TIME FMT: 12 HOURS
DATE FMT: MM/DD/YY
SOUND: DISABLED
FLASH: ENABLED
PREVIOUS MENU

Once **PREVIOUS MENU** is highlighted press the **CENTER** button to return to **SETUP** menu.
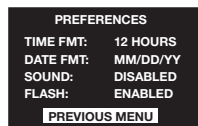
SETUP
SET TIME AND DATE
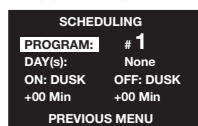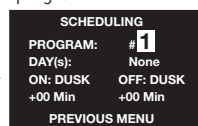LOCATION
PREFERENCES
SCHEDULING
MAIN PAGE

SCHEDULE

Setting the PROGRAM

Press the ↓ button to highlight **SCHEDULING**.

SETUP
SET TIME AND DATE
LOCATION
PREFERENCES
SCHEDULING
MAIN PAGE
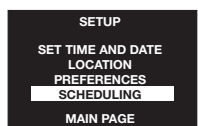
Press the **CENTER** button to enter the **PROGRAM** menu.

SCHEDULING
PROGRAM: # 1
DAY(s):   None
ON: DUSK   OFF: DUSK
+00 Min   +00 Min
PREVIOUS MENU

Press the **CENTER** button to highlight the program #.

SCHEDULING
PROGRAM: # 1
DAY(s):   None
ON: DUSK   OFF: DUSK
+00 Min   +00 Min
PREVIOUS MENU

Press the ↓ or the ↑ button to decrease or increase program #.

SCHEDULING
PROGRAM: # 2
DAY(s):   None
ON: DUSK   OFF: DUSK
+00 Min   +00 Min
PREVIOUS MENU
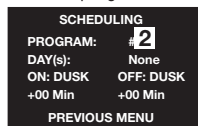
Once the program # is set, press the **CENTER** button to save the setting.

SCHEDULING
PROGRAM: # 2
DAY(s):   None
ON: DUSK   OFF: DUSK
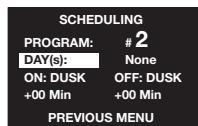+00 Min   +00 Min
PREVIOUS MENU
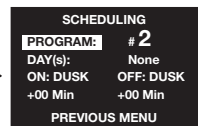
There are 8 different programs that can be set.
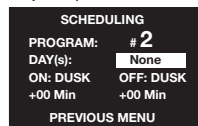
Setting the DAY(s)

This refers to the days of the week when the program will be initiated.
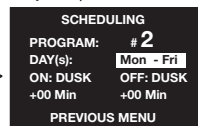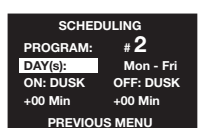
Press the ↓ button to highlight **DAY(s)**

SCHEDULING
PROGRAM: # 2
DAY(s):   None
ON: DUSK   OFF: DUSK
+00 Min   +00 Min
PREVIOUS MENU

Press the **CENTER** button to highlight the day(s) options.

SCHEDULING
PROGRAM: # 2
DAY(s):   None
ON: DUSK   OFF: DUSK
+00 Min   +00 Min
PREVIOUS MENU

Press the ↓ or the ↑ button to choose the day(s) options.

SCHEDULING
PROGRAM: # 2
DAY(s):   Mon - Fri
ON: DUSK   OFF: DUSK
+00 Min   +00 Min
PREVIOUS MENU

Press **CENTER** button to save the setting.

SCHEDULING
PROGRAM: # 2
DAY(s):   Mon - Fri
ON: DUSK   OFF: DUSK
+00 Min   +00 Min
PREVIOUS MENU

Options include:

None, All, Mon – Fri, Weekends, Sun, Mon, Tue, Wed, Thu, Fri, Sat.

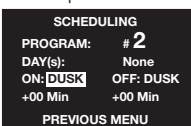**Call 800.879.8585 for Technical Support**

Setting ON/OFF

This sets when the program will come on. The options for this setting are DUSK, DAWN, or TIME. The DAWN or DUSK option will program the number of minutes before or after dawn or dusk that program should take effect.
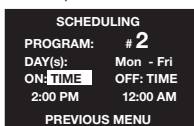
Press the ↓ button to highlight **ON**.

```
        SCHEDULING
PROGRAM:       # 2
DAY(s):        None
ON: DUSK    OFF: DUSK
+00 Min     +00 Min
      PREVIOUS MENU
```
▼● ○ ○▲
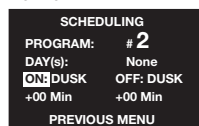
Press the **CENTER** button to highlight the **DUSK** options.

```
        SCHEDULING
PROGRAM:       # 2
DAY(s):        None
ON: DUSK    OFF: DUSK
+00 Min     +00 Min
      PREVIOUS MENU
```
▽○ ● ○▲

Press the ↓ or the ↑ button to choose **DUSK**, **DAWN**, or **TIME**.

```
        SCHEDULING
PROGRAM:       # 2
DAY(s):      Mon - Fri
ON: TIME    OFF: TIME
2:00 PM     12:00 AM
      PREVIOUS MENU
```
▼● ○ ●▲

To set the time:

Press the **CENTER** button to highlight the hour.

```
        SCHEDULING
PROGRAM:       # 2
DAY(s):      Mon - Fri
ON: TIME    OFF: TIME
2: 00 PM    12: 00 AM
      PREVIOUS MENU
```
▽○ ● ○▲

Press the ↓ or the ↑ button to decrease or increase the hour

```
        SCHEDULING
PROGRAM:       # 2
DAY(s):      Mon - Fri
ON: TIME    OFF: TIME
2: 00 PM    12: 00 AM
      PREVIOUS MENU
```
▼● ○ ●▲
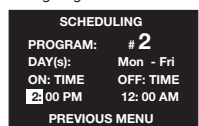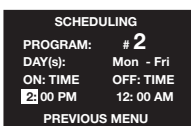
Press the **CENTER** button to move to the minutes.

```
        SCHEDULING
PROGRAM:       # 2
DAY(s):      Mon - Fri
ON: TIME    OFF: TIME
2:00 PM     12: 00 AM
      PREVIOUS MENU
```
▽○ ● ○▲

Press the ↓ or the ↑ button to decrease or increase the minutes

```
        SCHEDULING
PROGRAM:       # 2
DAY(s):      Mon - Fri
ON: TIME    OFF: TIME
2:00 PM     12: 00 AM
      PREVIOUS MENU
```
▼● ○ ●▲
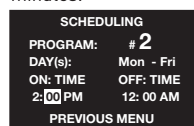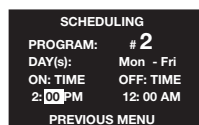
Once the time is set, press the **CENTER** button to save the setting.

```
        SCHEDULING
PROGRAM:       # 2
DAY(s):        None
ON: TIME    OFF: TIME
2: 00 PM    12: 00 AM
      PREVIOUS MENU
```
▽○ ● ○▲

Press the ↓ button to move to **OFF**.

```
        SCHEDULING
PROGRAM:       # 2
DAY(s):        None
ON: TIME    OFF: TIME
2: 00 PM    12: 00 AM
      PREVIOUS MENU
```
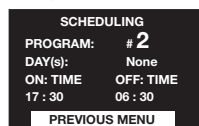▼● ○ ○▲
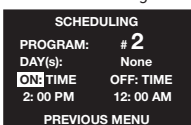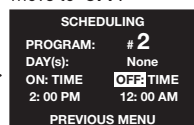
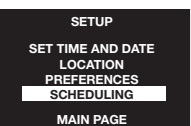Follow the same steps for setting the OFF options as you did for setting the ON options.

The same process is used for setting the DAWN and DUSK options that was used for setting the TIME option.

Navigating Back to the MAIN PAGE

Press the ↓ button to highlight **PREVIOUS MENU**.

```
        SCHEDULING
PROGRAM:       # 2
DAY(s):        None
ON: TIME    OFF: TIME
17 : 30     06 : 30
      PREVIOUS MENU
```
▼● ○ ○▲

Press the **CENTER** button to return to **SETUP** menu.

```
          SETUP
   SET TIME AND DATE
        LOCATION
       PREFERENCES
       SCHEDULING
        MAIN PAGE
```
▽○ ● ○▲

Press the ↓ button to highlight **MAIN PAGE**.

```
          SETUP
   SET TIME AND DATE
        LOCATION
       PREFERENCES
       SCHEDULING
        MAIN PAGE
```
▼● ○ ○▲

Press the **CENTER** button to return to the **MAIN PAGE**.

```
                 DST
  Tue 03/31/2009
  01:15 PM
  PROG          ⊙
```
▽○ ● ○▲
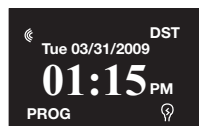
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