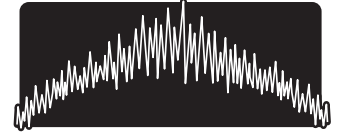


SLW10 Weather Monitor Installation & Operation InstructionsSM

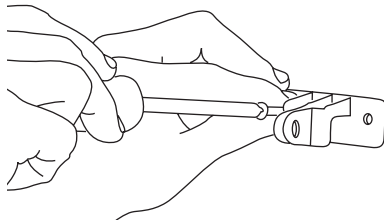
SMARTLINE



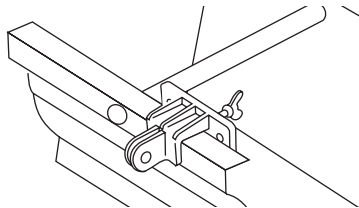
SLW10 On-Site Weather Monitor Installation

1. Decide on a good mounting location for your SLW10 weather monitor. The mounting location should be one that is not affected by a heat source such as an air conditioner, hot roof, hot asphalt, etc. Mount in an area with unobstructed airflow. Mounting is acceptable in both direct sunlight and shade however shade is preferable to direct sunlight. Additionally, the location must have open access to rainfall (cannot be covered by any overhead obstruction such as trees, roofs, etc.). Finally, the SLW10 weather monitor must be installed in a vertical position. The SLW10 weather monitor is supplied with 50 feet of shielded communication cable. Additional shielded communication cable (up to 3000 feet) may be added without affecting communication. Weathermatic sells communication cable in 100 feet (Model SLC100) and 1000 feet (Model SLC1000S) packages.

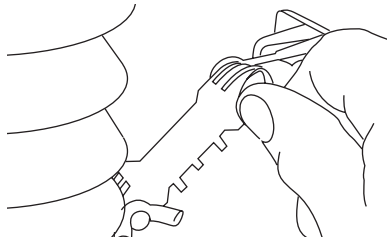
2. Attach mounting bracket to a flat surface using two mounting screws or to gutter using the wing nut provided. You may choose to remove the mounting bracket from the bracket arm for easier installation. Make sure the SLW10 weather monitor is fixed in a vertical position. Tighten the wing nuts so the SLW10 weather monitor stays permanently in the vertical position.



Attach bracket to wall.

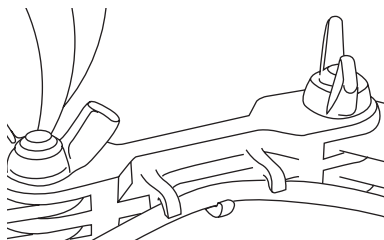


Attach bracket to gutter.



Attach sensor in vertical position.

3. Confirm the SLW10 weather monitor pre-connected wires are routed through the bracket arm.



Route the wire through the bracket arm.

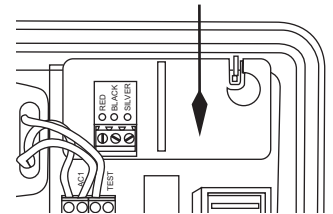
4. Route the wire back to the controller making sure that the wire is properly secured to walls, and is not loose or exposed to damage. Avoid draping the wire on tall or highly exposed metal surfaces that could attract lightning.

Connect the SLW10 weather monitor to the SmartLine controller.

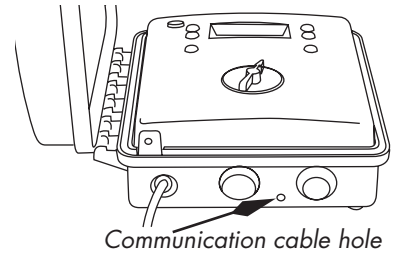
5. Route communication cable to the SmartLine controller.

6. Install the SLHUB communication hub inside the SmartLine controller and secure with the supplied screw. Be careful not to bend the connecting pins.

Installed and connected Communication Hub

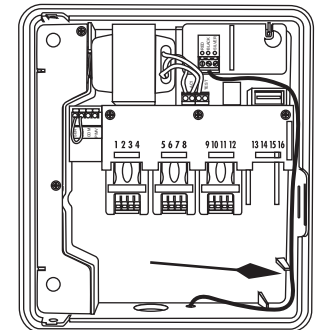


7. Route the communication cable through the low voltage wiring conduit access or small communication cable hole in the bottom of the controller housing (as shown in the photo).



Communication cable hole

8. Continue routing the communication cable along the right side of the controller (use guides) to the SLHUB communication hub and connect the wires to the terminals on the SLHUB communication hub.



Communication cable routing guides.

9. As desired, cut the communication cable to length (at the controller end) and strip the insulation from the 3 wires to expose the RED and BLACK wires and the SILVER shield wire.

10. Connect the SLW10 weather monitor communication cable leads to the SLHUB communication hub as follows (polarity is important):

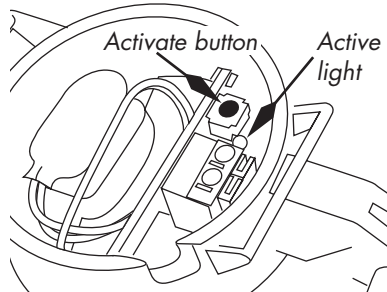
- RED wire to Left terminal
- BLACK wire to Center terminal
- SILVER shield wire to Right terminal

11. Verify that the time and date are set, at least one zone has a run time set, and the ZIP Code or Latitude is set on the SmartLine controller before proceeding with the SLW weather monitor activation.

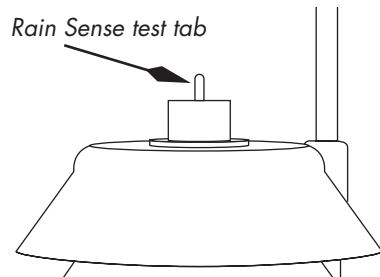


12. Activate the SLW10 On-Site Weather Monitor using one of two methods:

Open access door on bottom of the SLW10 weather monitor. Push activation button to activate the SLW10 weather monitor and initialize with the SmartLine controller. The activation light will verify operation with a sequence of 4 blinks. The final blink indicates communication status with the SLW10 weather monitor and SmartLine controller – a green light indicates communication is established while a red blink indicates no communication. In the event of a red blink, review the previous installation steps and make necessary correction. Improper wiring is typically the cause of communication failure.



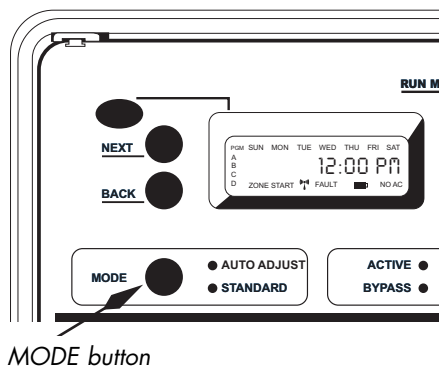
Note: An alternative method of activating the SLW10 weather monitor is to press and hold down the Rain Sense stem in the center of the rain sensor for 15 seconds.



13. Return to the SmartLine controller and verify the antenna icon appears on the bottom line of the LCD display. The flashing antenna icon indicates communication has been established in the past 5 minutes. A non-flashing antenna icon indicates communication has occurred in the past 5 days. If no antenna icon is present, repeat the activation process above. Note: In the event communication is lost between the SLW10 weather monitor and SmartLine controller, weather data from the previous 5 days will be used. Then, after 5 days of no communication, the controller will automatically revert to the Standard mode and display a FAULT message in the Smartline Controller display.



14. On the SmartLine control panel, press the MODE button to select the Auto Adjust mode. If the MODE button will not enter Auto Adjust, hold down the MODE button and read the scrolling message indicating actions needed to enter Auto Adjust mode.



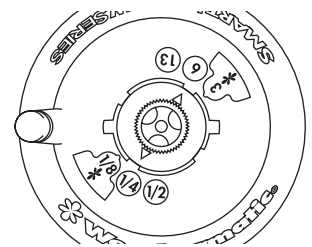
Rain/Freeze Sensing Functions

The SLW10 weather monitor provides rain and freeze sensing functions to prevent watering during periods of rain and freezing weather. The rain override will pause watering after a minimum of 1/8th inch of rainfall is received, based on the 1/8th inch factory rain sensor setting. The SLW10 weather monitor freeze sensing function will prevent

watering when the outside temperature drops below 37 degrees Fahrenheit (1.5 degrees Celsius) and allow watering to resume when the temperature increases above 37 degrees F (1.5 degrees Celsius). The Sensor LED will display RED during rain or freeze periods. Additionally, after a rain event, the SmartLine controller will continue to pause watering for 48 hours after the rain sensor has disengaged in order to prevent over watering. During the 48-hour extended rain delay, the sensor LED is ORANGE. In the event you choose to end the 48-hour extended rain delay, press the Sensor button on the control panel twice and the sensor will return to a GREEN color and permit watering.

Maintenance

The SLW10 weather monitor is designed for years of maintenance-free operation. You will need to change the 9V alkaline battery in the SLW10 weather monitor after approximately 5 years of operation or possibly replace the rain sensing discs in particularly dusty environments. To replace the rain sensing disc, order model SLW10DISC and follow these steps:



Push and rotate to set the Rain Sense.

1. Remove existing disc by twisting the top counterclockwise until it stops. Then, lift to remove the disc.
2. Insert the new SLW10DISC. Be sure to align the Rain Sense stem to drop in the center hole below the disc.
3. Twist the top clockwise to align the arrow with the desired setting (factory setting is 1/8 inch).

Battery Change

Verify the status of the battery life at any time by turning the dial on the SmartLine controller to any of the Auto Adjust dial positions while the controller is in the Auto Adjust mode. Now, the battery icon in the LCD display shows the status of the SLW10 weather monitor battery strength (rather than the SmartLine controller battery strength) at one of three levels – high, medium, and low.



To change the SLW10 weather monitor battery:

1. Open the access door of the SLW10 weather monitor.
2. Replace the existing battery with a new 9V alkaline battery.
3. Reactivate the SLW10 weather monitor – see step 12 above.
4. Return to the controller and push the MODE button to place the controller back in the Auto Adjust position. If the SLW10 weather monitor and SmartLine controller are in communication, the Auto Adjust GREEN LED will light and the antenna icon will appear in the display. You can also verify the status of the SLW10 weather monitor's new battery using the steps indicated in the paragraph above.

