INTRODUCTION

In most installations, the Wireless Rain-Clik™ acts as a switch to break the circuit to the solenoid valves of the irrigation system when it has rained. This allows the timer to advance as scheduled, but keeps the valves from opening the water flow. Once the Wireless Rain-Clik™ has dried sufficiently, the switch closes again to allow for normal operation.

MOUNTING

Standard Mount:

Using the screws provided, mount the Wireless Rain-Clik™ transmitter on any surface where it will be exposed to unobstructed rainfall, but not in the path of sprinkler spray. The switch-housing portion must be upright (as pictured), but the swivel-bracket can be moved for mounting on any angled surface.

Gutter Mount:

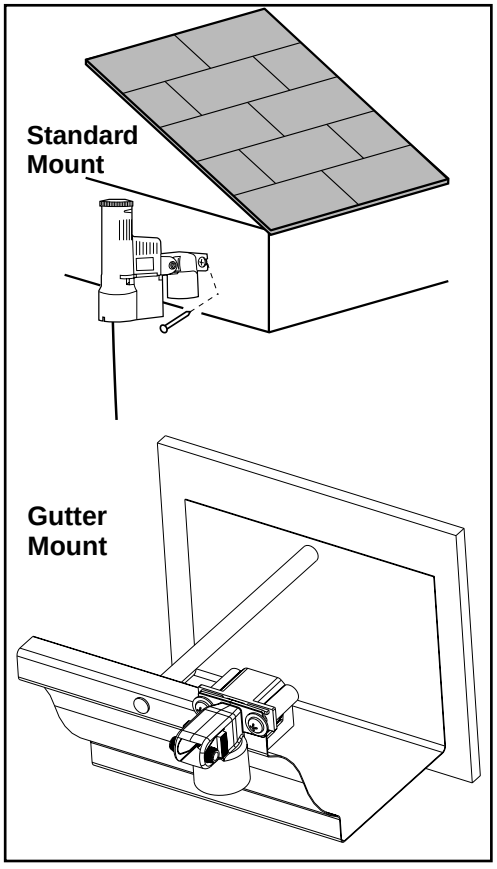
Clip the enclosed gutter mounting bracket over the inside lip of the gutter. Attach the Wireless Rain-Clik™ to the gutter mounting bracket with the screws provided.

Helpful Hints for Mounting:

A. When looking for a suitable location such as on the side of a building or post, the closer the Wireless Rain-Clik™ is to the controller, the better reception will be. DO NOT EXCEED 300 feet.

B. The ideal location for mounting is not always the most practical location. In the case where a compromise must exist (such as low location on a side wall rather than the preferred high location), note that the Wireless Rain-Clik™ will still work as it will always receive some rainfall – it just will not be as accurate in its gauging as it could be.

C. As described in the "Operation" section of this manual, "reset rate" refers to the amount of time it takes the Wireless Rain-Clik™ to dry out sufficiently for the sprinkler system to be allowed to come back on. The mounting location will affect this rate and should be taken into consider-ation should extreme conditions exist. For example, mounting the Wireless Rain-Clik™ on a very sunny, southern end of a building may cause the Wireless Rain-Clik™ to dry out sooner than desired. Similarly, mounting on the northern end of a building with constant shade may keep the Wireless Rain-Clik™ from drying soon enough.



Transmitters/Sensor

- Nothing to set up with this unit after installation
- The unit can be tested stand-alone as follows: press and hold the post on the quick response section. Within 3 seconds of pressing and holding this post down, the LED protruding from the potting should blink once. Release the post, within 3 seconds the LED should blink once again. (Figure 1)

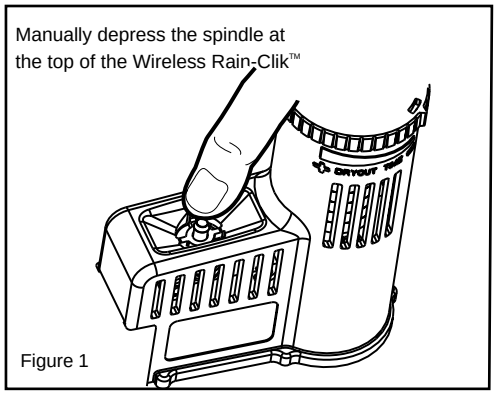


Figure 1

WIRING TO YOUR IRRIGATION SYSTEM

Important: The **Wireless Rain-Clik™** is sold and designed for hook up to 24 Volt irrigation controllers only.

WARNING! This unit is designed to be installed in conjunction with 24VAC circuits only. Do not use with 110 or 220VAC circuits.

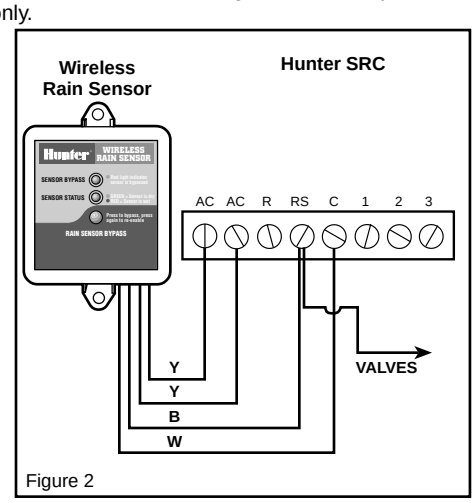


Figure 2

Receiver Installation, SRC Controller:

1. Using the hardware included, mount the receiver to the wall (use included wall anchors if needed). Make sure to put the rubber cover/gasket under the unit when attaching it in an outdoor location.
2. Attach the two yellow wires to the AC terminals of the SRC (polarity does not matter).
3. Attach the blue wire to the RS terminal.
4. Attach the white wire to the "C" terminal.
5. Attach the valve common wire to the RS terminal.

Receiver Installation, Pro-C and ICC Controllers:

1. Using the hardware included, mount the receiver to the wall (use included wall anchors if needed). Make sure to put the rubber cover/gasket under the unit when attaching it in an outdoor location.
2. Attach the two yellow wires to the AC terminals of the controller (polarity does not matter).
3. Attach the blue wire to one SEN terminal and the white wire to the other SEN terminal of the controller.

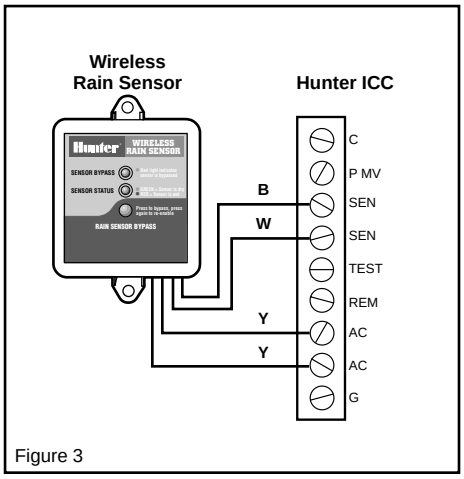


Figure 3

A. Receiver Installation, Other Controllers:

1. Using the hardware included, mount the receiver to the wall (use included wall anchors if needed). Make sure to put the rubber cover/gasket under the unit when attaching it in an outdoor location.
2. Attach the two yellow wires to the AC terminals of the controllers (polarity does not matter).

3a. Most controllers use a normally closed rain sensor. To attach the receiver to this type of controller, attach the blue wire and the white wire to the sensor terminals of the controller, or in-line with the valve common.

3b. A few controllers on the market require a normally open rain sensor. To attach the receiver to this type of controller, attach the blue wire and the orange wire to the controller's sensor input.

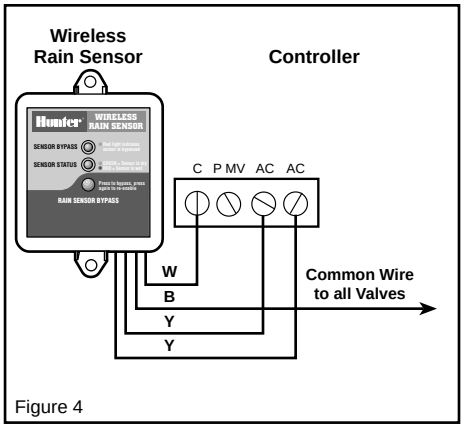


Figure 4

B. 24 Volt Solenoid Valves with Booster Pump (See Figure 5)

Locate the common wire to the solenoid valves and the common wire leading to the coil of the relay that starts the pump. If these two wires are connected to the "common" terminal on the controller, disconnect both of them. Twist together these two wires along with one wire from the Rain-Clik™, and secure with a wire nut. Attach the other wire of the Wireless Rain-Clik™ receiver to the "common" terminal on the controller. *Note: The pump circuit output **must** be 24 Volts in this situation. Do not proceed if 110V.*

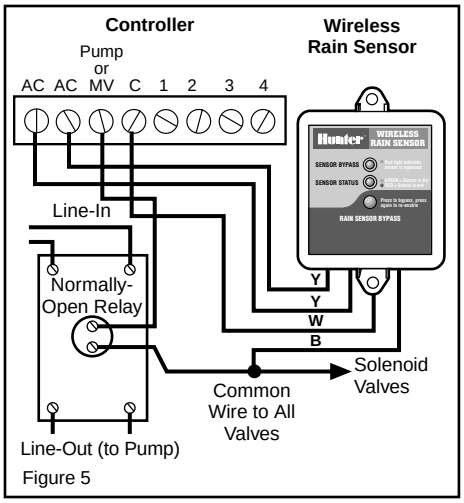


Figure 5

Learning the transmitter address at the receiver:

- **Units purchased as a kit will already have their address learned.**
- Each transmitter produced has a unique address hard-coded into it. A receiver must learn this address to work with that transmitter. This step will only be necessary if transmitters and receivers are purchased separately.

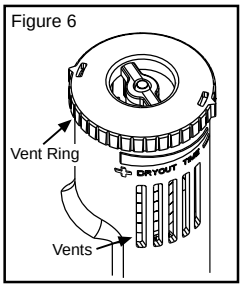
1. Prior to applying power (yellow wires) to the receiver, press and hold the receivers pushbutton.
2. While the pushbutton is being held apply power to the receiver – the receiver's "sensor status" LED should light up yellow indicating the receiver is ready to learn an address.
3. Push and hold the quick response post on the transmitter/sensor.
4. Within 4 seconds, the receiver's "sensor status" LED should turn red.
5. Release the transmitter/sensor's quick response post and within 4 seconds the LED on the receiver should turn green. The address is now learned and will be retained even in the event of a power outage.

OPERATION

Once the receiver and transmitter have been installed and the receiver has learned the transmitter's address, the system is ready to work. The receiver has two LEDs, which indicate the state of the system. The STATUS LED will be RED when the sensor is wet (watering disabled), and GREEN when the sensor is dry (watering enabled). There is also a RED BYPASS LED on the receiver. If this LED is lit, the rain sensor is bypassed and watering will always be allowed. Even though the sensor is bypassed, the STATUS LED will continue to alert you of the state of the sensor (Wet or Dry). If the communication between the transmitter and the receiver ever breaks down, the transmitter's status LED will flash red.

ADJUSTMENTS AND OPERATION

Figure 6



The Wireless Rain-Clik™ can keep the irrigation system from starting or continuing after rainfall. The time that it takes the Wireless Rain-Clik™ to reset for normal sprinkler operation after the rain has stopped is determined by weather conditions (wind, sunlight, humidity, etc.) These conditions will determine how fast the hydroscopic discs dry out, and since the turf is also experiencing the same conditions, their respective drying rates will roughly parallel each other. So when the turf needs more water, the Rain-Clik™ is already reset to allow the sprinkler system to go at the next scheduled cycle. There is an adjustment capability on the Wireless Rain-Clik™ that will slow down the reset rate. By opening the "vent" (see Figure 6) to completely or partially cover the ventilation slots, the hydroscopic discs will dry more slowly. This adjustment can compensate for an "overly sunny" installation location, or peculiar soil conditions. Experience will best determine the ideal vent setting.

BYPASSING THE SENSOR

The sensor may be bypassed by using the built in bypass feature in the SRC, Pro-C or ICC. On other controllers the sensor may be bypassed by pressing the "BYPASS" button on the receiver. The RED BYPASS LED on the receiver will be lit when the sensor is bypassed. Pressing the "BYPASS" button again will cause the RED BYPASS LED to go back out thus re-enabling the sensor.

Battery Life: The Wireless Rain-Clik™ transmitter is designed to work daily for up to ten years with the original battery. The sealed unit is available as a replacement part. Should you need to change the transmitter the receiver will have to learn the new transmitter address.

There is no required maintenance for the unit. The Wireless Rain-Clik™ does not have to be removed or covered for "winterizing" purposes.

TROUBLESHOOTING

Follow these simple checks first before assuming the unit is bad and replacing it.

System will not come on at all:

A. First, check to see that the Wireless Rain-Clik™ discs are dry and the switch "clicks" on and off freely by pressing the top of the spindle.

B. Next, look for breaks in the wire leading to the Wireless Rain-Clik™ receiver and check all wire junctions.

System will not shut off even after heavy rainfall:

A. Check wiring for correctness (see "Operation Check to Verify Correct Wiring").

B. Is the rainfall actually hitting the Wireless Rain-Clik™? Check for obstructions to rainfall such as overhangs, trees or walls.

Manufactured under U.S. Patent Pending

All Rain-Clik™ models are listed by Underwriters Laboratories, Inc. (UL). Samples of these devices have been evaluated by UL and meet the applicable UL standards for safety.

For information on the complete line of Hunter products, visit our Web site at www.HunterIndustries.com

FCC Compliance Notice

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

1) This device may not cause harmful interference and

2) This device must accept any interference that may be received, including interference that may cause undesired operation

Transmitter FCC ID: M3UWRCTX

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