

The Intelligent Use of Water™



Simple To Set Timer New Installation Guide

In the interest of product improvement, Rain Bird reserves the right to change product design or specifications without notification.

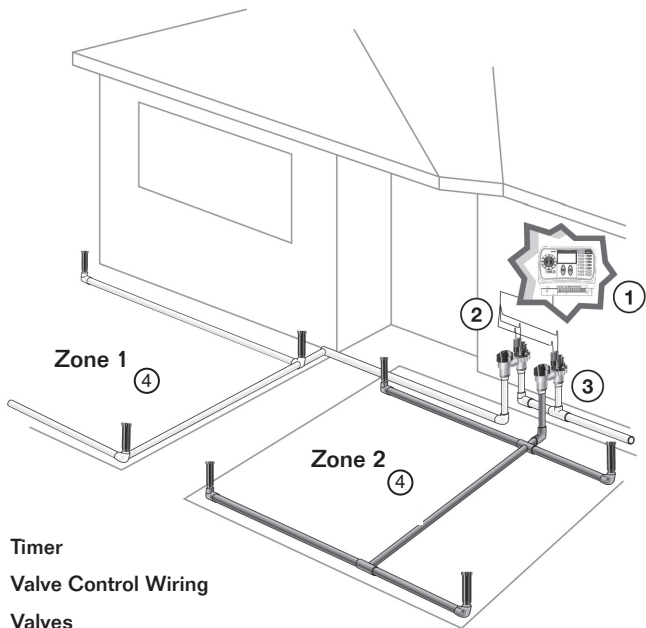
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Rain Bird Corporation Consumer Products Division
Customer Service Center
6991 E. Southpoint Rd. Building #1
Tucson, AZ 85706
1-800-RAIN BIRD



P/N# 637234 REV. B



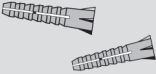
- ① Timer
- ② Valve Control Wiring
- ③ Valves
- ④ Sprinkler Zone

(Number of Zones vary by Timer Model)



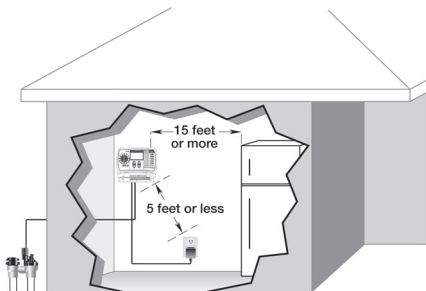
The SST Timer is for **INDOOR** use only. If you must install it outdoors, use a water-resistant cabinet, such as the Rain Bird Model TC-2 Timer Cabinet. The TC-2 is a heavy-duty, weather-resistant plastic case that lets you convert any indoor-only timer to outdoor use.

Supplies not included with timer

• Valve Control wire; for new systems 18 gauge color coded, multi-strand, direct-burial wire for runs less than 800 feet; 14 gauge for runs greater than 800 feet	
• Water tight splice connectors	
• Drywall anchors; optional	

Tools you will need to install timer

• Phillips screwdriver	
• Wire strippers	
• Hammer	

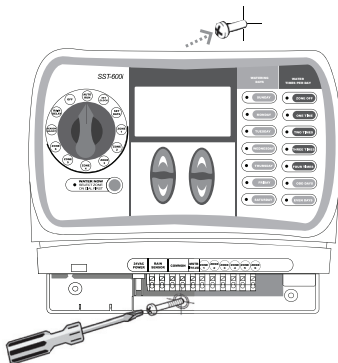


Choosing Timer location

- Locate a spot indoors for your Timer.
- Locate Timer so that it is convenient to run control wires.
- Locate Timer within 5 feet of an AC power outlet.
- Locate Timer at least 15 feet away from major appliances and air conditioners.

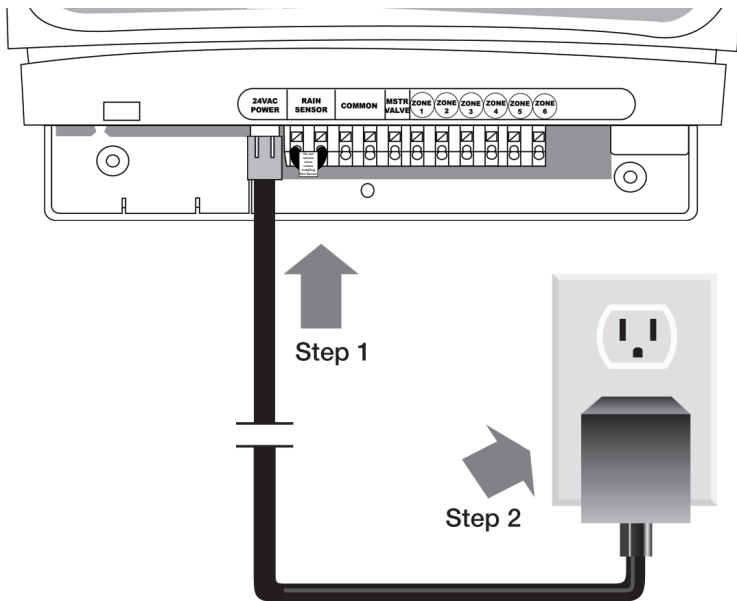
Mounting Timer to wall

- ① Drive a screw into the wall, leaving 1/8" gap between head and wall. (May also use supplied wall anchors if necessary)
- ② Hang Timer on exposed screw.
- ③ Remove access cover at bottom of Timer and drive a screw through the center hole into wall.



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Connecting the Power Cord



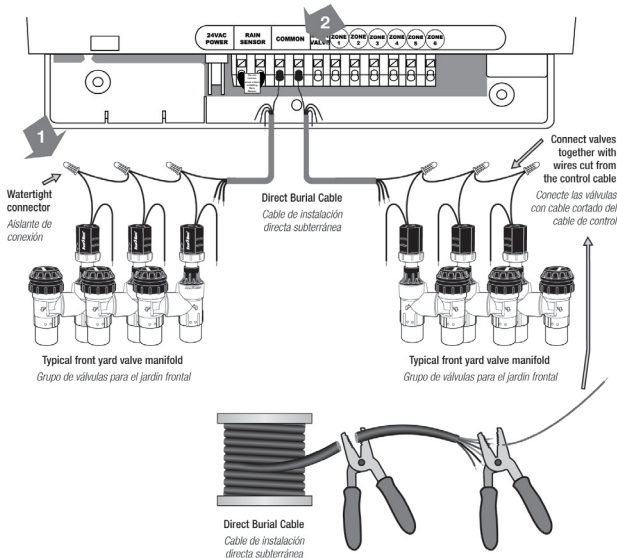
- ① Attach connector to 24VAC pins.
- ② Plug transformer into wall socket.



DO NOT plug in the transformer until you have completed and checked all wiring connections. Also, do not attempt to link two or more timers together with a single transformer.

Common Wire Connection

- 1 Connect one wire from each valve together with watertight splice connectors; either valve wire will work.
- 2 Connect all wires to common terminals on timer.



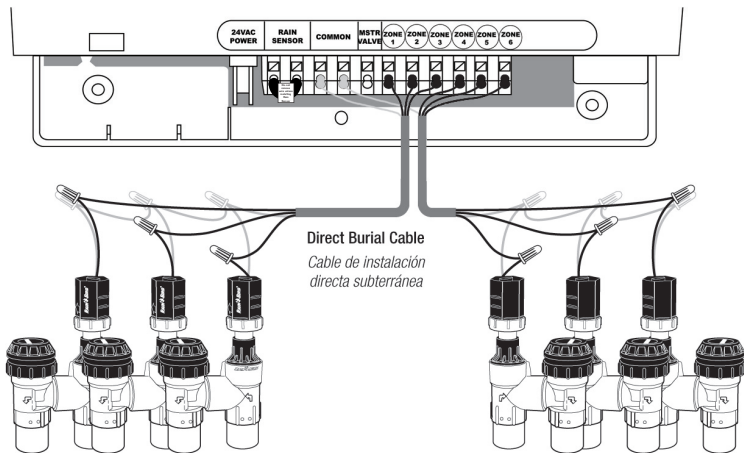
The SST Series Timers can be used with most hydro-indexing valves. Please contact the valve manufacturer for more information. **DO NOT** connect more than one valve wire to each terminal. Wiring more than one valve to each terminal will damage the timer. Also, if you are using more than one timer, do not share “common” wires between them.

USER TIP: Use watertight splice connectors to prevent corrosion and avoid short circuits.

Control Wire Connection

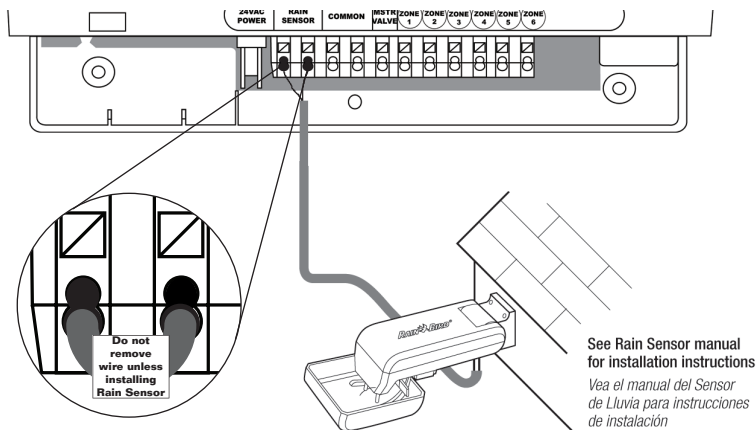
- 1 Connect the second wire on each valve to a wire on the control cable; connect only one valve to each wire.
- 2 Connect the other end of the wire to the desired zone on the Timer (1,2,3, etc.).

(Each numbered zone corresponds to the same number zone when programming timer)



Included only on select models

- ① Remove the jumper wire from the Rain Sensor terminals.
- ② Connect both Rain Delay Sensor wires to the terminals marked RAIN SENSOR.

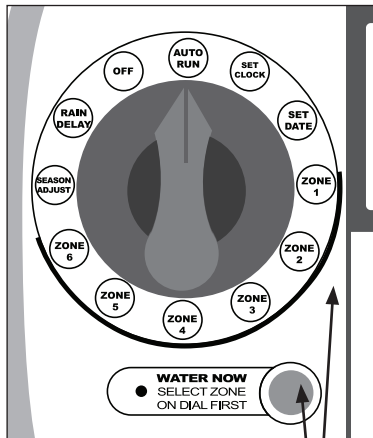


If you decide not to use a Rain Sensor with the timer, leave the wire jumper in place that connects the 2 terminals; timer will not work if wire jumper is removed and sensor is not connected.

USER TIP: To save water and money, you can also install a rain sensor, such as Rain Bird's RS-1 Rain Shut Off. A rain sensor measures rainfall and prevents unnecessary watering.

To make sure each system is functioning properly, cycle through each **ZONE** using the **WATER NOW** feature:

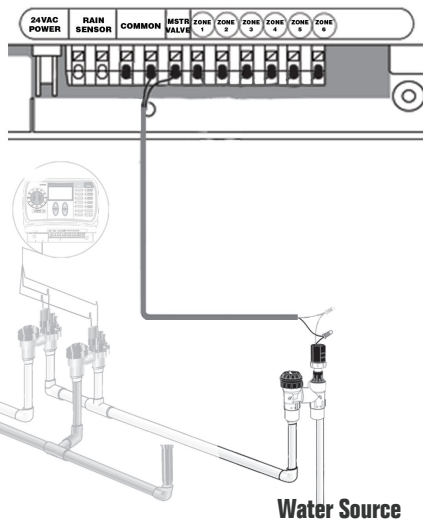
- ① Turn the dial to the **ZONE** you wish to test and press **WATER NOW**.
- ② The **ZONE** will start watering for a default 10 minutes.
- ③ Use the Up/Down arrows to adjust the time.
- ④ To stop watering before the time is up, turn dial.
- ⑤ Repeat on next **ZONE** until all have been checked.



Set dial to
desired **ZONE**
and press
WATER NOW

- ① Connect the color-coded “hot” wire from the Master Valve or Pump Start Relay to the Timer terminal marked **MASTER** (MSTR) VALVE.
- ② Connect the common wire from the Master Valve or Pump Start Relay to the common wire coming from the station valves. This wire connects to the Timer terminal marked **COMMON**.
- ③ To avoid possible pump damage, connect a short “jumper” wire from any unused station terminal(s) to the nearest terminal screw in use. For example, if you have a 6-station timer with only 4 stations in use, route stations 5–6 to the nearest active station (in this case, 4).

C This example shows what a Master Valve connection would look like. A Pump Start Relay would connect differently at the water source.



SST 600 Series Timers allow a master valve or pump start relay to operate whenever a valve is operating (pumps are used in some places to draw water from a well or other source).

If you are activating a pump from the Timer, you must also install a Pump Control Relay, such as Rain Bird's PCR-1. The PCR-1 can activate most 120- or 240-volt pump motors up to 2 horsepower.



USER TIP: Make sure that the total draw of the Master Valve or Pump Start Relay plus the draw of the valve does not exceed 0.650 Amps at 24 VAC, 60 Hz.

This Timer does not provide the main power for a pump.