

## RAIN SENSOR OPERATION

When about 1/4" of rain has fallen, the sensor will signal the controller to delay irrigation for 24-hours. While rain is falling the sensor will send a do not water about every 10 minutes extending the 24-hour period.

An Aqua Temperature and Rainfall Sensor may be ordered directly from our website at [www.aquaconserve.com](http://www.aquaconserve.com)

## Specifications

Housing: Plastic, 4.5"H x 1.6"W x 1.9"D  
25 ft cable to controller

### Warranty

Aqua Conserve, Inc. will repair or replace any Aqua Conserve product that fails under normal use within 3 years of the original purchase date. For a return authorization call Aqua Conserve.

The foregoing warranty shall not apply to defects or claims for service resulting from, but not limited to: Improper or inadequate maintenance by the consumer, unauthorized modifications, operation outside the specifications of the product, damage from neglect or improper handling or loss of profits from improper installation.



2900 Adams Street, Suite A-25  
Riverside, California 92504  
Toll Free: (877) 922-2782

Phone: (951) 352-3891 ~ Fax: (951) 352-4345

Read more about Aqua Conserve and ET on our website: [www.aquaconserve.com](http://www.aquaconserve.com)

© 2005-06 Part No. MAN-0018 Version 1.2

Print Date 5/11/06



Saving water through technology

## Aqua Temperature and Rainfall Sensor

### RTS-2



RTS-2 is a wired Temperature and Rain Sensor that comes with a 25 foot cable.

The RTS-2 sends temperature readings to the controller. When sufficient rain has occurred, the sensor will send one day (d1) rain delay to the controller.

Please read through all instructions before installing.

## Step #1

### INSTALLING SENSOR

- Install the sensor so it will be fully exposed to rainfall.
- Insert a screw into one of the holes in the mounting bracket and screw it into an available surface.
- Before you tighten the screw, make sure the sensor is upright.
- If needed, install the second screw.
- Route the cable back to the irrigation controller.

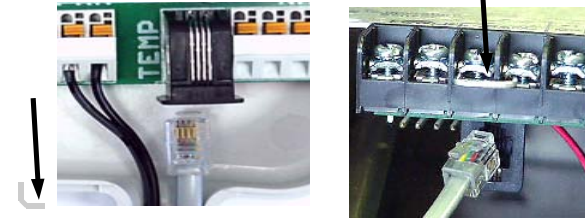


## Step #2

### CONNECTING THE RECEIVER

- Remove the cover to the wiring terminals on your controller.
- Disconnect any existing temperature sensor that is connected to your controller.
- Plug the RTS-2 cable into the temperature sensor port on your controller. When first installed the display will show 32°F briefly.

**Note: Leave Rain Jumper Installed**



## Step #3

### TESTING THE SENSOR

- A temperature reading should appear on the display of the controller within approximately 10 seconds after being plugged in.
- To test the rainfall sensor, hold down the button on the top of the sensor. Within approximately 10 seconds the display should show "d1", meaning 1 day rain delay.
- You can clear the "d1" by pressing the less button on the controller to delete the rain delay.

## Step #4

### ADJUSTING FOR RAINFALL / HUMIDITY

The rain sensor is factory set for about 1/4" of rainfall.

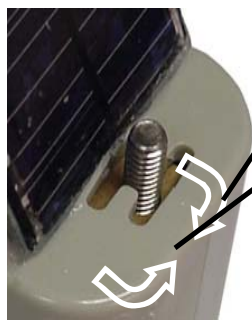
High humidity may cause the sensor to operate without rain.

The rainfall sensor can be adjusted by turning the rainfall adjustment screw.

Turning the screw clockwise will shut the sensor off with less rain.

Turning the screw counter-clockwise will shut the sensor off with more rain or humidity.

**Note:** To return the sensor to factory setting, turn the screw counter-clockwise until it stops. Then turn the screw clockwise two full turns.



### TROUBLESHOOTING

Problem	Cause	Solution
No Temperature	Cable damaged	Check for bad cable
No Rain Detected	Not enough rain	Manually test sensor using step #3
"d1" won't clear	Rain Jumper Removed	Install jumper in rain terminals see step #2