

SUBJECT: WR2 Wireless Rain Sensor Product Enhancements

MODELS AFFECTED:

Model	Product ID
WR2-RC	A553000
WR2-RFC	A553100
WR2-RFC-868	A553300
WR2-RC-AUNZ	A553400

IMPLEMENTATION DATE CODE: January 13, 2014

Introduction:

WR2 wireless rain sensor product family enhancements will improve sensor performance. Enhancements to the WR2 product family began with date code 1/13/2014. Product enhancements and troubleshooting techniques are highlighted in this bulletin.

Revision 1 changes to this Tech Bulletin are highlighted by bold / italicized font in the “Service Part Information” section.

Product Enhancements:

Original WR2 Product Design

1. Battery with no grease
2. Clear lens cover over sensor LED



WR2 Product enhancements

- Battery with protective grease
- “Breathable” lens cover over sensor LED



3. No coating on sensor circuit board

Circuit board with protective coating

4. Battery cassette - no shipping bag

Battery cassette inside shipping bag



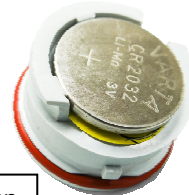
Troubleshooting

1. Correct battery placement

Incorrect battery placement



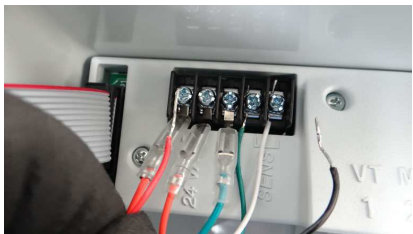
Yellow label illustrates correct battery orientation



2. Wiring into irrigation controller sensor ports



Connect green & white wires to "sensor" terminals



Connect red & black wires to "24VAC" terminals

3. Correct location of battery contact arm

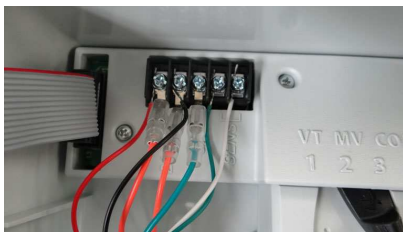


Incorrect location of battery contact arm



Contact should extend "well above" floor of battery cassette

4. Proper wiring



ALWAYS wire WR2 power lines into Irrigation Controller (24VAC) or Rain Bird transformer



NEVER wire WR2 into a pigtail or a wall socket

5. Optional: depress plunger on sensor to "manually test" suspend mode (i.e. Manual Quick Shut off)



Normal Operation



Manual test of suspend mode

LCD clears suspend mode after 10 minutes

Interchangeability:

The WR2 controller interface is a direct substitute to versions of the WR2 controller interface manufactured prior to date code 1/13/2014.

Some components of the original WR2 sensor when compared with the enhanced WR2 sensor are not interchangeable and should not be mixed. The WR2 sensor plastic battery cassette is a unique design for sensors manufactured after 1/13/2014 and is not compatible with WR2 sensors prior to date code 1/13/2014.

Service Part Information:

For North America only: the following service part is available as of 7/21/14.

<i>Model Number</i>	<i>Part Number</i>	<i>Description</i>
<i>WR2-RFS</i>	<i>A553150</i>	<i>WR2 wireless rain / freeze sensor only</i>

Contractors now have a spare part to remedy the following job site occurrences:

- ***Lost, damaged, or vandalized sensor***

The WR2-RFS sensor has both the rain and freeze suspend mode functionality. For those contractors that are replacing a rain only sensor with a rain / freeze sensor, they will receive additional sensor functionality.

WR2-RFS sensors manufactured after 1/13/14 are completely compatible with WR2 Controller Interfaces manufactured before 1/13/14, with 1 minor exception:

- ***Due to recent firmware changes, if the contractor manually depresses the spindle inside the sensor cap to perform a “Manual Quick Shut-off”, the WR2 Controller Interface will not respond with the “rain cloud / X” icon. Other than this exception, the device is fully operational.***

Special Instructions:

There are no changes to the WR2 installation procedures.

Recommend applying Permatex Dielectric Tune-up Grease (available in auto parts and hardware stores) to top and bottom of battery when replacing.

