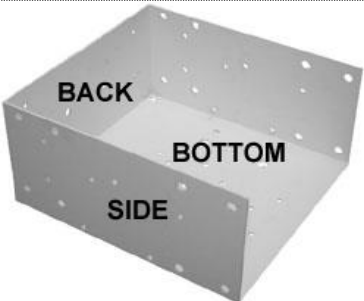
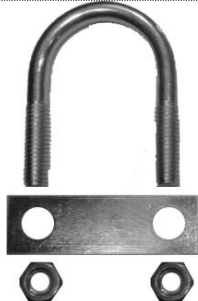


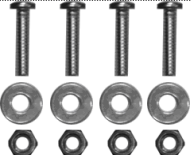

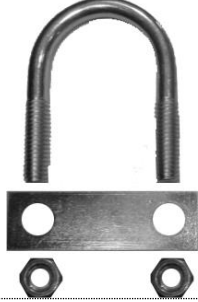




WMR-968 / WMR-112A Weather Station Rain Gauge Shelf Manual

This instruction manual will take you step-by-step through the process of assembling and mounting your Universal Rain Gauge Mounting Shelf.

Components

The Universal Rain Gauge Shelf includes the following components:

Mounting Shelf	Mounting Shelf U-bolt, plate and nuts	Solar Transmitter Mounting Hardware (two units)	Thermo-Hygrometer Mounting Hardware	Rain Gauge Mounting Hardware	Radiation Shield Mounting Hardware
 <p>9 1/16" x 8 5/8" x 4 5/16"</p>					
Fence Post Mounting Screws					
 <p>4 x 1-5/8" Deck Screws for mounting to vertical surface</p>	<p>2x 1" U-Bolt 3 x U-Bolt washer 4 x 5/16" Hex Nuts</p>	<p>8 x 1" Pan Screws 8 x 1/4" Flat Washers 8 x 7/16" Hex Nuts</p>	<p>2 x 1/2" Pan Screws 2 x #6 Flat Washers 2 x 5/16" Locking Hex Nuts</p>	<p>4 x 3/8" Pan Screws 4 x #4 Flat Washers 4 x 1/4" Locking Hex Nuts</p>	<p>3 x 1/2" Pan Screws 3 x #8 Flat Washers 3 x 11/32" Locking Hex Nuts</p>

Tools and Materials Needed

In addition to the materials above, you may need some of the following tools and materials:

- **Small Phillips-Head Screwdriver and Medium Phillips-Head Screwdriver**
- **Adjustable Wrench** or 5/16" Wrench, 7/16" Wrench, 1/4" Wrench and 11/32" Wrench
- **Drill with 3/16" Drill Bit**
To drill pilot holes if attaching rain gauge shelf to the top of a post

Location Tips

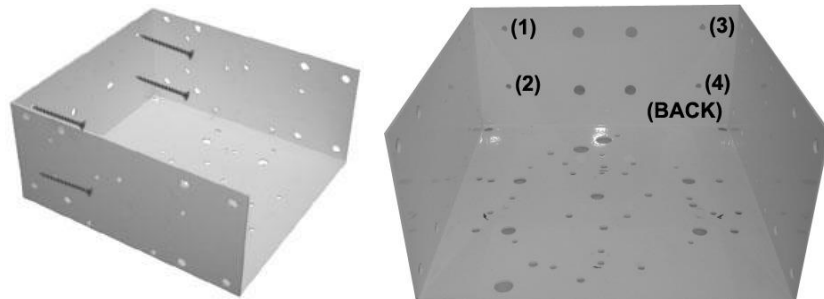
- The Rain Gauge Mounting Shelf must be placed in an open area unobstructed by structures or trees.
- Do not install over or near sprinklers. Continuous moisture may damage the rain gauge
- Make sure the rain gauge is mounted level

Installation Options

There are two different mounting configurations for the rain gauge shelf:

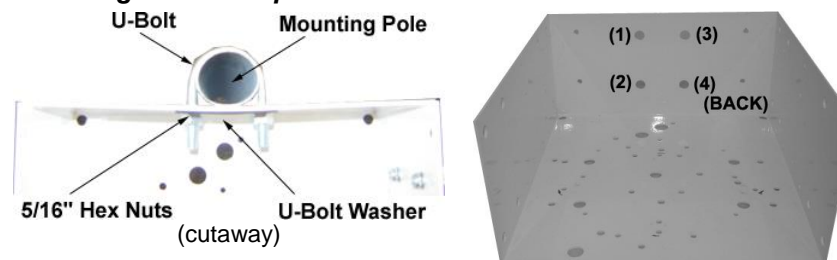
- Pole or metal pipe with outside diameter between 1" and 1 1/2"
- On the side of a wooden post

Mounting to Wooden or Fence Post



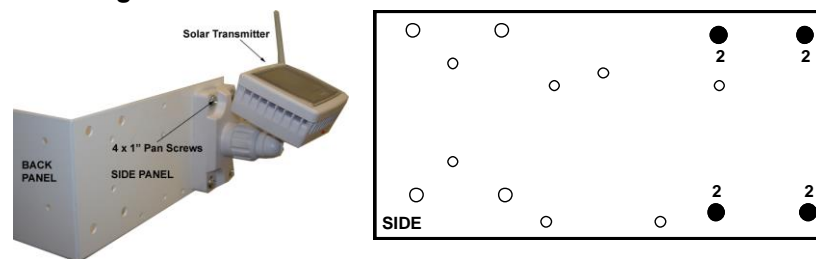
Reference the figure above. Locate the four fence post mounting holes (1). Using four x 1-5/8" lag screws, attach the back plate of the mounting bracket to the mounting surface of the wooden post. Make sure that rain gauge is level prior to attaching the lag screws.

Mounting to Metal Pipe or Pole



Reference the figure above. Locate the four U-Bolt mounting holes (1), (2), (3) and (4) on the back panel of the rain gauge mounting shelf. Attach the U-Bolts, U-Bolt Washers and 5/16" Hex Nuts as shown in the diagram. Finger tighten the assembly around the mounting pole. With a level, make sure the rain gauge shelf is level, and tighten the hex nuts with a wrench.

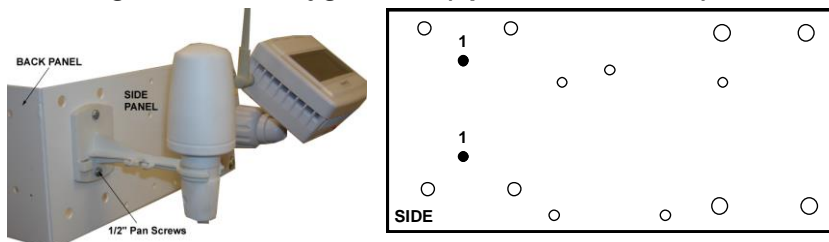
Mounting the Solar Transmitters



Reference the figure above. Locate the four solar transmitter mounting holes (2) on the side panel of the rain gauge mounting shelf. Attach the four 1" pan screws, washers and 7/16" hex nuts and tighten the hex nuts with a wrench.

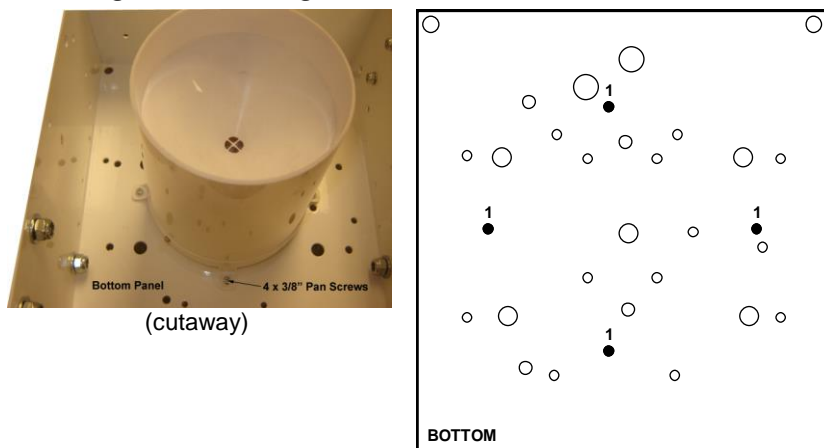
Repeat procedure above on the other side panel for the second solar transmitter.

Mounting the Thermo-Hygrometer (optional, THGR-968)



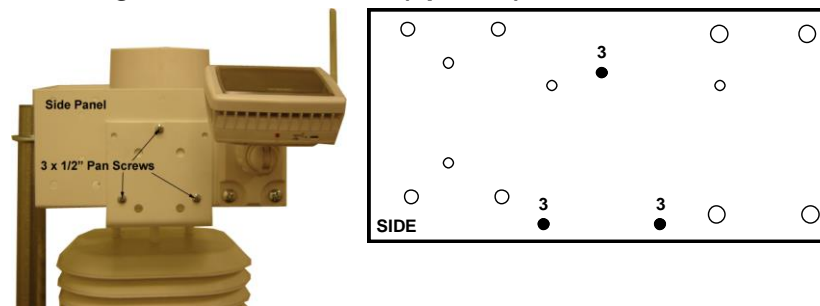
Reference the figure above. Locate the thermo-hygrometer mounting holes (1) on the side panel of the rain gauge mounting shelf. Attach the two 1/2" pan screws, washers and 5/16" hex nuts and tighten the hex nuts with a wrench.

Mounting the Rain Gauge Bucket



Reference the figure above. Locate the four rain gauge mounting holes (1) on the bottom panel of the rain gauge mounting shelf. Attach the 3/8" pan screws, washers and 1/4" hex nuts and tighten the hex nuts with a wrench. The additional holes are used as proper drainage to prevent damage to the electronic circuitry in the rain gauge.

Mounting the Radiation Shield (optional)



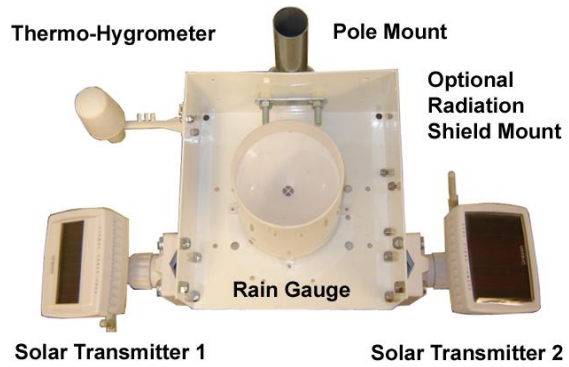
Reference the figure above. Locate the three radiation shield mounting holes (3) on the side panel of the rain gauge mounting shelf. Attach the three 1/2" pan screws, washers and 11/32" hex nuts and tighten the hex nuts with a wrench.

Radiation Shield

When assembling the pogata shield, place the thermo/hygro sensor flat into the bottom of the pogata shield as shown in the figure below. Run the sensor wire outside one of the plates as shown. For further instructions, please reference the installation guide included with the radiation shield.



Complete Installation



Reference the figure above, which displays the completed installation for the rain gauge mounting shelf.