

## Ambient Weather WeatherMount Installation Manual



The Ambient Weather WeatherMount is a flexible mounting alternative to a mounting pole or tripod. The mounting plate provides a fast and easy installation, and can be mounted on a pitched surface, flat roof or vertical surface, such as a gable.

The WeatherMount is constructed from powder coated steel and includes a galvanized aluminum mast. This mounting system is strong, durable and stable. The slender design is simple, unobtrusive and aesthetically pleasing. The base can be adjusted to mount on any pitched roof. Works great with any weather station.

The small base footprint 4-3/4" W x 7" H (mounting point foot print 3.75" x 6") allows four lag screws (included) to be easily mounted at the apex of your gable. The mount angles 11" in the horizontal direction to allow clearance of eave or roof overhangs. Out of the box, the overall height is approx. 49".

Add one or more mast extensions (EZ-125-35M) to increase the height of the mounting assembly by 35" per mast (reference the "May we also suggest" section below).

The weather station pictured is not included.

**Figure 1**

### Components

The WeatherMount assembly includes the following components:



- 1 J-pipe
- 1 Mounting bracket
- 1 Carriage bolt
- 1 7/16" Hex bolt
- 2 7/16" Hex lock nuts
- 4 Lag Screws
- 2 Tar Pads

**Figure 2**

### Tools and Materials Needed

- Level or Plumb
- Drill
- Adjustable wrench

## Important Installation Instructions

**CAUTION:** Improper installation of the WeatherMount to your roof top may result in leaks. We recommend a licensed roofing specialist for evasive installations.

**CAUTION:** Any metal object may attract a lightning strike, including your weather station and tripod.

Never install your weather station in a thunderstorm.

We recommend properly grounding the tripod to avoid extensive damage to the weather station and structure. Consult a licensed electrician or local lightning detection expert prior to installing a ground wire.

## WeatherMount Installation

Reference Figure 3. There are three typical mounting configurations (1) pitched roof mount (2) flat roof mount (3) gable end mount (horizontal).

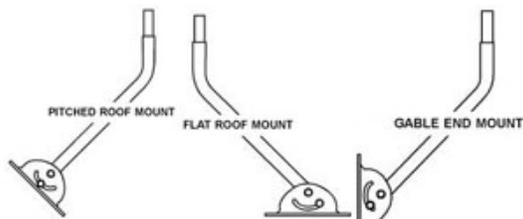


Figure 3

**Step 1.** Fasten the WeatherMount base to the building, home or structure (Figure 4). Use the enclosed lag screws to drill into the structure. If drilling into a non masonry structure, use the included tar pad kits (tar pad kits are not intended to be used when mounting using the optional accessory Ubolts).

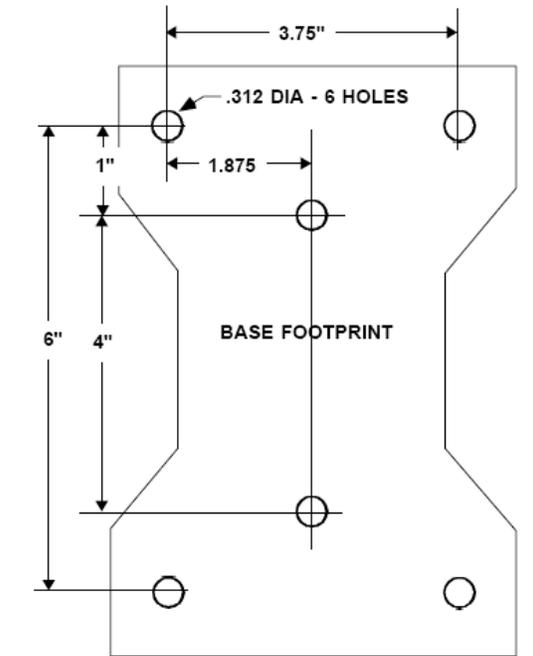


Figure 4

**Step 2:** Rotate the base of the pole until it is vertically level. Use a level to make certain the top of the mounting pole is level and tighten the adjustable bracket.

**Step 3:** Mount the weather station to the mounting pole. If it is a wireless weather station, it is recommended the solar transmitter(s) is facing true south.

### **EZ-125-35M 35" Mast Extension (Optional)**



Galvanized 1-1/4 inch (3.25 cm) O.D., 35 inch (89 cm) long steel post with one end crimped for insertion into another post of the same O.D.

Made of 18 gauge 1008-10 steel tubing, galvanized using the Flo-Coat (zinc-chromate-polymer) process for excellent corrosion protection.

**Figure 5**

### **Mast Extension Installation**



**Figure 6**

Figure 6. Insert the swaged end of the mast extension into the mounting tripod mast and tighten so the extension does not rotate.

Repeat this step for additional mast extensions (maximum two is recommended).