

Ambient Weather WeatherMount Installation Manual



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Introduction

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 mounting bracket can be adjusted to mount on any pitched roof.







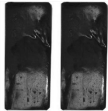

Works great with any weather station.

The small mounting bracket footprint 4-3/4" W x 7" H (mounting point footprint 3.75" x 6") allows four lag screws (included) to be easily mounted at the apex of your gable. The bend in the J-pipe gives 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).

Components

The WeatherMount assembly includes the following components:

Name	Quantity	Picture
J-pipe	1	
Mounting bracket	1	
Carriage bolt	1	
7/16" Hex bolt	1	
7/16" Hex lock nuts	2	
Lag Screws	4	
Tar Pads	2	
11.6 in. mast Extensions	3	

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).

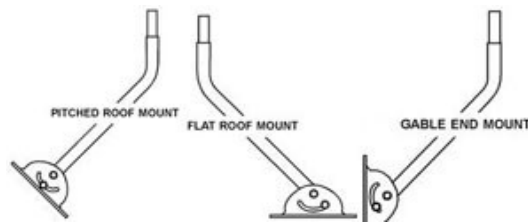


Figure 3

Step 1. Fasten the WeatherMount mounting bracket 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 U-bolts).

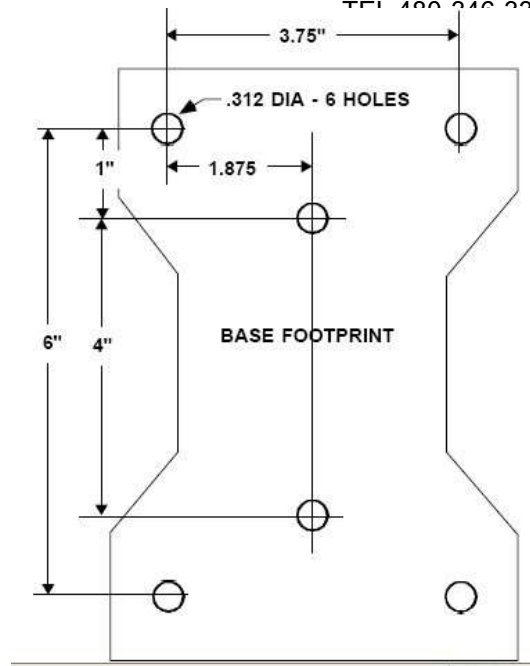


Figure 4

Step 2: Rotate the J-pipe and assembled pole until it is vertically level. Use a level to make certain the top of the mounting pole is level and tighten the carriage and hex bolt securely to the adjustable bracket.

Step 3: Securely mount the weather station to the mounting pole. If it is a solar powered weather station, it is recommended to face the solar panel true south to maximize sun exposure (if you're located in the northern hemisphere).

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).



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Liability Disclaimer

Please help in the preservation of the environment and return used batteries to an authorized depot. The electrical and electronic wastes contain hazardous substances. Disposal of electronic waste in wild country and/or in unauthorized grounds strongly damages the environment.

Reading the "User manual" is highly recommended. The manufacturer and supplier cannot accept any responsibility for any incorrect readings and any consequences that occur should an inaccurate reading take place. This product is designed for use in the home only as indication of weather conditions. This product is not to be used for medical purposes or for public safety information. The specifications of this product may change without prior notice.

This product is not a toy. Keep out of the reach of children. No part of this manual may be reproduced without written authorization of the manufacturer.

Ambient, LLC WILL NOT ASSUME LIABILITY FOR INCIDENTAL, CONSEQUENTIAL, PUNITIVE, OR OTHER SIMILAR DAMAGES ASSOCIATED WITH THE OPERATION OR MALFUNCTION OF THIS PRODUCT.

Warranty Information

Ambient, LLC provides a 1-year limited warranty on this product against manufacturing defects in materials and workmanship.

This limited warranty begins on the original date of purchase, is valid only on products purchased and only to the original purchaser of this product. To receive warranty service, the purchaser must contact Ambient, LLC for problem determination and service procedures.

Warranty service can only be performed by a Ambient, LLC. The original dated bill of sale must be presented upon request as proof of purchase to Ambient, LLC.

Your Ambient, LLC warranty covers all defects in material and workmanship with the following specified exceptions: (1) damage caused by accident, unreasonable use or neglect (lack of reasonable and necessary maintenance); (3) damage resulting from failure to follow instructions contained in your owner's manual; (4) damage resulting from the performance of repairs or alterations by someone other than an authorized Ambient, LLC authorized service center; (5) units used for other than personal use (6) applications and uses that this product was not intended (7) the products inability to receive a signal due to any source of interference or metal obstructions and (8) extreme acts of nature, such as lightning strikes or floods.

This warranty covers only actual defects within the product itself, and does not cover the cost of installation or removal from a fixed installation, normal set-up or adjustments, claims based on misrepresentation by the seller or performance variations resulting from installation-related circumstances.

California Prop 65

WARNING: Use of the Ambient Weather Products can expose you to chemicals, including lead and lead compounds, which are known to the State of California to cause cancer and bisphenol A (BPA), and compounds, which are known to the State of California to cause cancer and bisphenol A (BPA), and phthalates DINP and/or DEHP, which are known to the State of California to cause birth defects or other reproductive harm.

Can I Trust that Ambient Weather Products are Safe Despite this Warning? In 1986, California voters approved the Safe Drinking Water and Toxic Enforcement Act known as Proposition 65 or Prop 65. The purpose of Proposition 65 is to ensure that people are informed about exposure to chemicals known by the State of California to cause cancer, birth defects and/or other reproductive harm. A company with ten or more employees that operates within the State of California (or sells products in California) must comply with the requirements of Proposition 65. To comply, businesses are: (1) prohibited from knowingly discharging listed chemicals into sources of drinking water; and (2) required to provide a "clear and reasonable" warning before knowingly and intentionally exposing anyone to a listed chemical. Proposition 65 mandates that the Governor of California maintain and publish a list of chemicals that are known to cause cancer, birth defects and/or other reproductive harm. The Prop 65 list, which must be updated annually, includes over 1,000 chemicals, including many that are commonly used in the electronics industry.

Although our manufacturing process is "lead-free" and RoHS compliant, it remains possible that trace amounts of lead could be found in components or subassemblies of Ambient Weather Products. Bisphenol A (BPSA) could conceivably be present in minute amounts in our plastic housings, lenses, labels or adhesives, and DEHP & DINP (phthalates) could possibly be found in PVC wire coatings of our cables, housings, and power cords. Unlike RoHS, Prop 65 does not establish a specific threshold for reporting on the substances of concern and instead sets forth a much less definitive standard requiring that the business demonstrate with certainty that there is "no significant risk" resulting from exposure. With respect to carcinogens, the "no significant risk" level is defined as the level which is calculated to result in not more than one excess case of cancer in 100,000 individuals exposed over a 70-year lifetime. In other words, if you are exposed to the chemical in question at this level every day for 70 years, theoretically, it will increase your Version 1.14 ©Copyright 2020, Ambient LLC. All Rights Reserved. Page 60 chances of getting cancer by no more than 1 case in 100,000 individuals so exposed. With respect to reproductive toxicants, the "no significant risk" level is defined as the level of exposure which, even if multiplied by 1,000, will not produce birth defects or other reproductive harm. In other words, the level of exposure is below the "no observable effect level," divided by 1,000. (The "no observable effect level" is the highest dose level which has not been associated with observable reproductive harm in humans or test animals.) Proposition 65 does not clarify whether exposure is to be measured only in normal operation, or in the event of misuse such as intentionally damaging, incinerating, or consuming an Ambient Weather Product or component and Ambient Weather has not attempted to evaluate the level of exposure.

A Proposition 65 warning means one of two things: (1) the business has evaluated the exposure and has concluded that it exceeds the "no significant risk level"; or (2) the business has chosen to provide a warning simply based on its knowledge about the presence of a listed chemical without attempting to evaluate the exposure. The California government has itself clarified that "The fact that a product bears a Proposition 65 warning does not mean by itself that the product is unsafe." The government has also explained, "You could think of Proposition 65 more as a 'right to know' law than a pure product safety law."



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While using Ambient Weather Products as intended, we believe any potential exposure would be negligible or well within the "no significant risk" range. However, to ensure compliance with California law and our customers' right to know, we have elected to place the Proposition 65 warning signs on Ambient Weather Products.

For further information about California's Proposition 65, please visit
<https://oehha.ca.gov/prop65/background/p65plain.html>