1. Introduction

Thank you for your purchase of the Ambient Weather EZ-29-24 Chimney Mounting Pole Kit. The following user guide provides step by step instructions for installation, operation and troubleshooting.

The EZ-29-24 chimney mounting pole kit provides a stable weather station mounting solution for chimneys. Provides straps for mounting around the chimney.

Ambient Weather pole mounting kit constructed of rust proof 10-steel tubing, galvanized using the Flo-Coat (zinc-chromate polymer) for excellent corrosion proof protection.

We ship this item in two configurations depending on the item(s) on each order.

**Configuration 1**, most common: Includes three assemblable 14" x 1.25"-diameter masts. Add a mast extension (see below) to extend the pole an additional 35".

Configuration 2: Includes one 35" x 1.25"-diameter smooth mast. Add a mast extension (see below) to extend the pole an additional 35" per extension.
2. Warnings and Cautions

⚠️ **Warning:** Any metal object may attract a lightning strike, including your weather station mounting pole. Never install the weather station in a storm.

⚠️ **Warning:** If you are mounting the weather station to a house or structure, consult a licensed electrician for proper grounding. A direct lightning strike to a metal pole can damage or destroy your home.

⚠️ **Warning:** Installing your weather station in a high location may result in injury or death. Perform as much of the initial check out and operation on the ground and inside a building or home. Only install the weather station on a clear, dry, day.

3. Parts List

<table>
<thead>
<tr>
<th>QTY</th>
<th>Item</th>
<th>Image</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Screws</td>
<td>![Screws Image]</td>
</tr>
<tr>
<td>4</td>
<td>Side Clips</td>
<td>![Side Clips Image]</td>
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<tr>
<td>QTY</td>
<td>Item</td>
<td>Image</td>
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<tr>
<td>-----</td>
<td>-----------------------------------------------------------</td>
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<tr>
<td>4</td>
<td>12” Mounting Assemblies (2 shown attached together in the image)</td>
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<tr>
<td>4</td>
<td>Strap Bolts</td>
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<tr>
<td>2</td>
<td>1” Metal Straps</td>
<td></td>
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<tr>
<td>8</td>
<td>7/16” Nuts, 1 for each strap bolt and 1 for each screw</td>
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<tr>
<td>QTY</td>
<td>Item</td>
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<td>-----</td>
<td>----------------------------------------------------------------------</td>
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<tr>
<td>8</td>
<td>Lock washers, 1 for each strap bolt and 1 for each screw</td>
<td></td>
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4. **Tools Required**
- 7/16” deep socket or wrench
- Tin Sheers
- Pliers
- Level or Plumb

5. **Installation**
1. Pre-assemble the strap bolts, lock washers, nuts, and screws. There are two complete assemblies per strap.
2. Tighten the strap bolt, lock washer and nut.
3. Finger tighten the screws, lock washer and nut assembly.

4. While on the ground (NOT ON THE ROOF), pre-assemble the metal strapping.
5. Slide one slide clip over each end of the metal strapping with the flanges pointing away from the chimney.

![Figure 3](image)

**Figure 3**

6. Thread the metal strap through each end of the strap bolts with the strap bolt eyelets pointing away from the chimney.

![Figure 4](image)

**Figure 4**

7. Bend the metal strap through the strap bolt eyelit.
8. Slide the slide clip over the top of the excess metal strap.

9. Repeat these instructions for the second strap mount assembly.

10. Slide both strap assemblies over the top of the chimney.
11. Pull the strapping taught with pliers by the ends of the metal strapping.

12. Cut excess strap with tin sheers. Leaving at least 3” margin between the slide clips and the end of the strap.

13. With the metal strapping taught, crimp the side clip flanges by bending onto the metal strap with pliers. The final tightening procedure is performed in the next step.

14. With a 7/16” deep socket wrench, tighten the metal strap until the unit is secure.

15. Repeat this procedure for the second mounting strap assembly. It is recommended the
mounting straps are at least 12” apart.

16. Insert the metal pole into each of the 12” Mounting Assemblies, if you received Configuration 1 see step 17 below. Tighten U-nuts to secure the pole.

17. Reference Figure 11 above. Insert one of the swaged ends into a smooth end and tighten, by applying rotational force (hand tight is usually enough), so the extension does not rotate loose when permanently installed.

Repeat this step for the second and third 14” mast. The entirely smooth 14” mast should be on the bottom of the assembly.

18. Use a level or plumb to make sure the pole is level and adjust accordingly.

19. Perform final tightening on all bolts.

20. Cut-off any excess strapping with tin sheers.
6. **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.

When used with the EZ-48-3AB-125-35 Mast assembly, this extension will raise the anemometer to a height of 84 inches, with an effective adjustment range of 72 to 89 inches (187.2 to 231.4 cm).
7. Mast Extension Installation

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).

8. Liability Disclaimer

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.

9. 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.