

A997-0088 Revision D, August 2016

‘U Series Omnidirectional Antenna’ Installation and Operation Instructions Including F-129-S4 Mounting Kit.

General

This instruction sheet contains all necessary information required to assist in the correct installation of ARGUS ‘U’ series Omnidirectional antennas.

Following symbols can be found next to text outlining important information.



Please follow the procedure marked with this symbol precisely. Non-compliance may lead to damage of the product.



Handy tips when installing product.

Unpacking

Make sure that the antenna and the accessory items listed below are provided and have not been damaged during transport.

- Antenna
- Mounting kit
- Installation Instructions (this document)

Assemble mounting kit as per Figures 1 and 2 of this document.

Mounting Kit Details

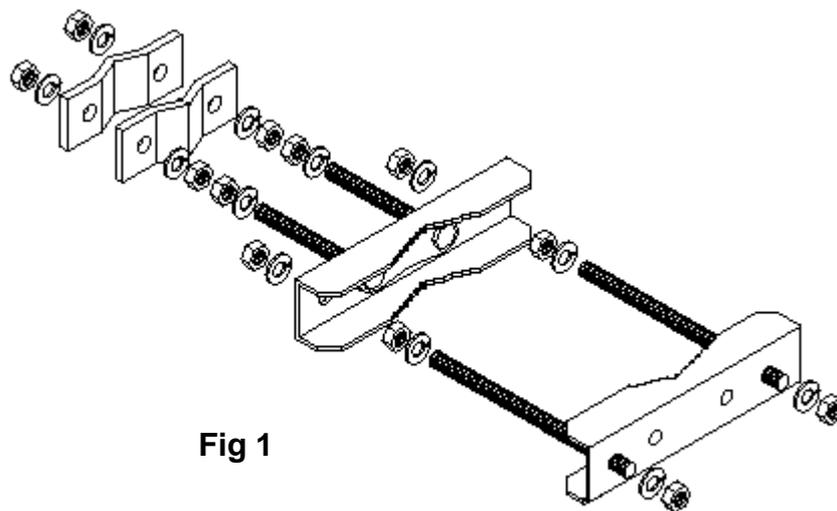


Fig 1

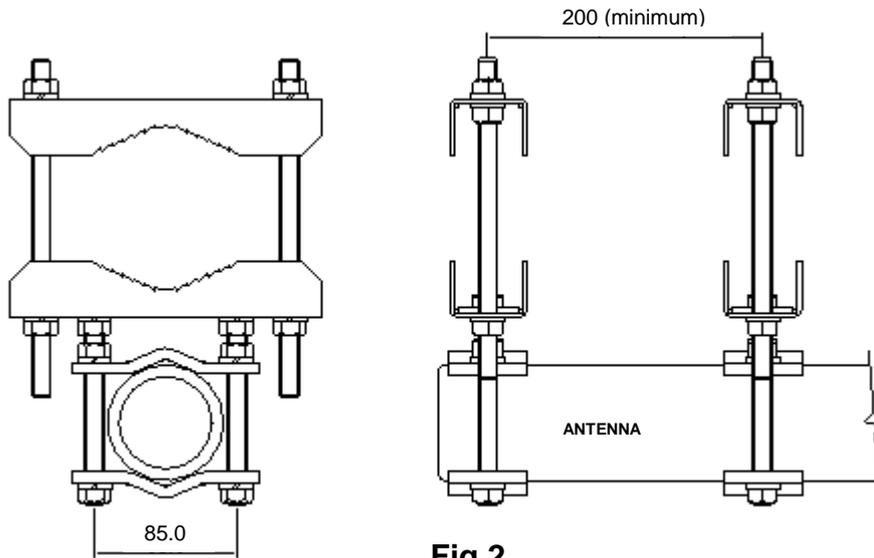


Figure 1: Mounting Brackets Exploded Assembly

Figure 2: Mounting Brackets Assembled onto Omnidirectional Antenna



Ensure a torque spanner is used when tightening fasteners. The recommended torque for the M10 Stainless Steel Fasteners is 28.0 Nm.



1. Attach mounting kit assembly to pole as shown.

2. Check for correct orientation of antenna. (See label: "UP ARROW" affixed to antenna).

3. All connectors should have a weather proofing kit fitted to prevent water ingress into cables.

4. For inverted models only ensure that the two (2) top M4 holes in the spigot are plugged with M4 screws and sealing washers, the four (4) bottom drain holes in the plastic cap are provided as drainage holes.

5. Ensure mounting pipe diameter is within the range specified of 50-115 mm. For high wind locations a pipe diameter between 75 mm and 115 mm is recommended.



Figure 3: Correctly Assembled Mounting Brackets

Installation Instructions - Electrically Downtilt Antennas

Install Antenna mounting brackets as per instructions provided in the previous section:



1. Check for correct orientation of downtilt control box.
(Scale must always be at the bottom).

2. Ensure that the cable gland is tight to the box

If the gland has to be tightened, remove the box lid and tighten the gland nut. Always replace the lid with the correct orientation, the drain slots in the lid are to be at the bottom. (See Figure 4)

3. A scale cover is provided and can be unscrewed to view the scale. The scale cover is labelled 'D' in Figures 4 and 6.

Important features Labelled in Figures 4,5,6 &7

- A. Omnidirectional Antenna
- B. R.F. Connection
- C. AISG. Control Connection (Male & female) *
- D. Scale Cover
- E. Connection point for earthing wire. Recommended for surge protection & reliable operation of RET circuitry.



*For inverted antennas waterproof metal caps must be fitted to unused AISG connectors.

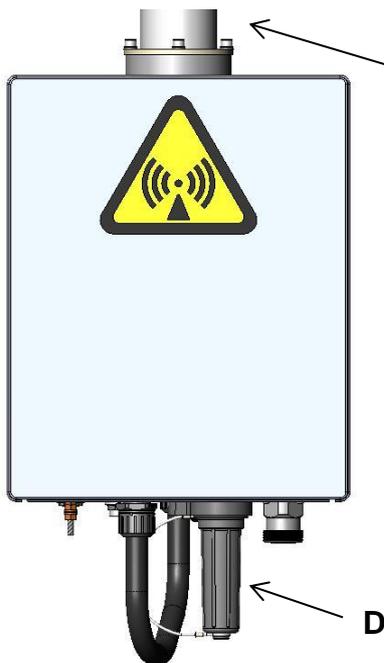


Figure 4

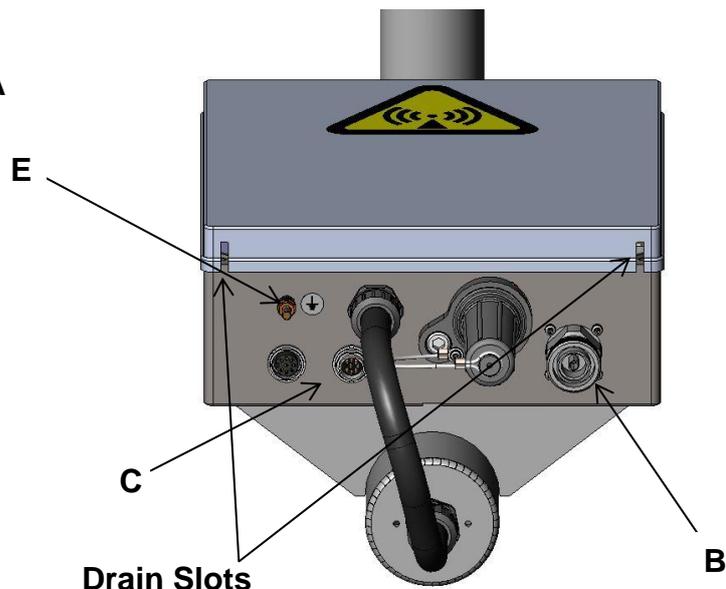


Figure 5

**Figures 4 & 5 above show Normal Control Box Orientation.
(Looking from front & bottom)**

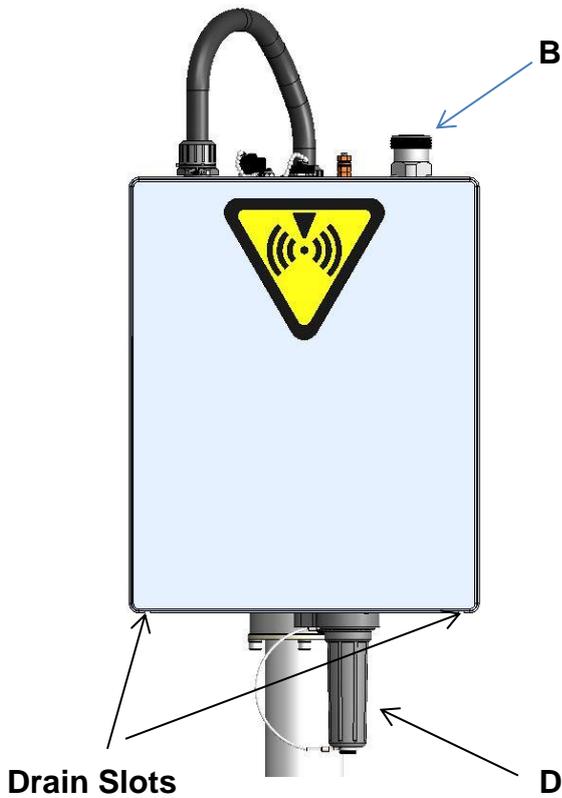


Figure 6

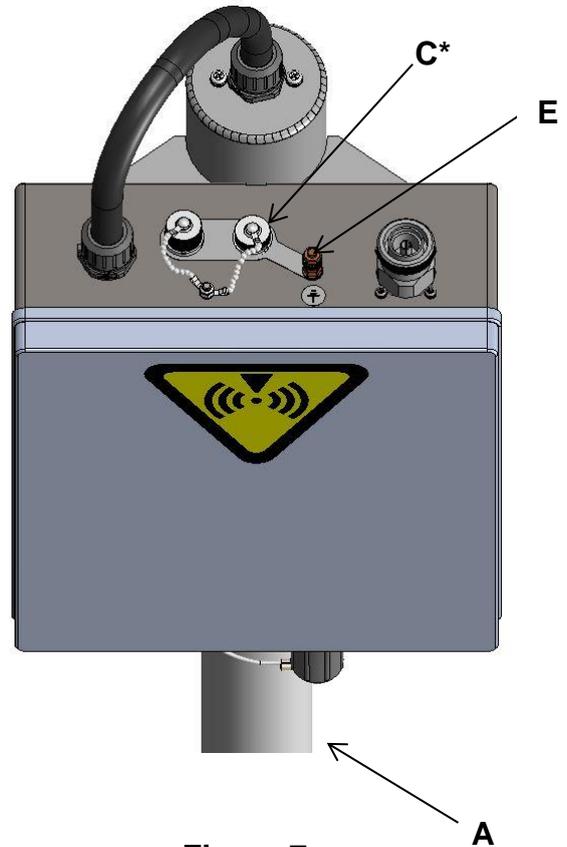


Figure 7

**Figures 6 & 7 above show Inverted Control Box Orientation.
(Looking from front & top)**



Do not install near power lines. Power lines, telephone lines, and guy wires look the same. Assume any wire or line can electrocute you.



Do not install on a wet or windy day or when lightning or thunder is in the area. Do not use metal ladder.



Wear shoes with rubber soles and heels. Wear protective clothing including a Long-sleeved shirt and rubber gloves.