

OMNI-900



User Guide

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1. Packing Check List

Item	Description	Quantity
1.	A-OMNI-0900 Antenna Only	1
2	M8 Stainless Steel Nuts	12
3.	M8 Stainless Steel Flat Washers	6
4.	M8 Stainless Steel 316 Hex Socket Screws	6
5.	Stainless Steel 316 Securing plate	1

Appearance of Components

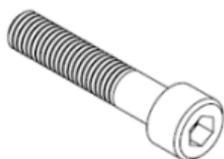
Antenna Unit



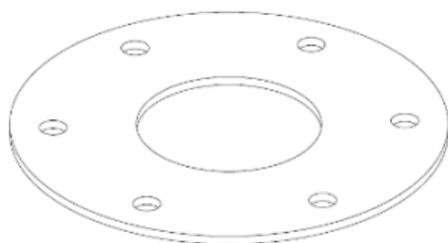
M8 Nut and Washer



M8 Hex Socket Screw

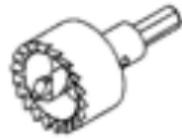


Stainless Steel 316 Securing plate



Tools Required

8mm Drill Bit/ Hole saw for cables

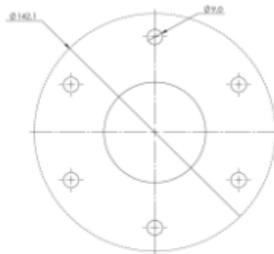


Centre Punch and Drilling Machine



Drilling Template

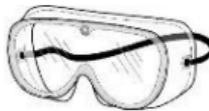
(Available on www.poynting.tech/downloads)



Hammer



Safety Goggles



8mm Allen Key



13mm Spanner/Wrench



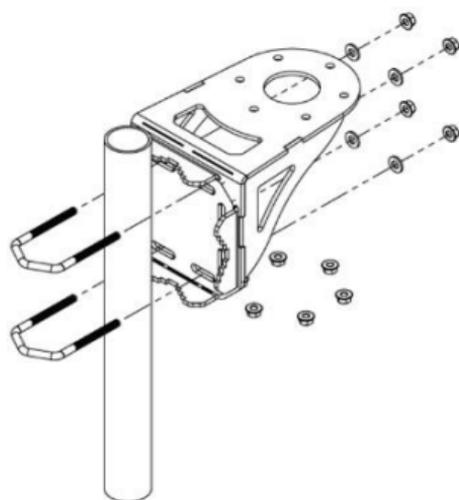
2. Introduction

This User Guide provides information on the installation instructions of the Omni-directional antenna (A-OMNI-0900).

Antenna Configuration 1

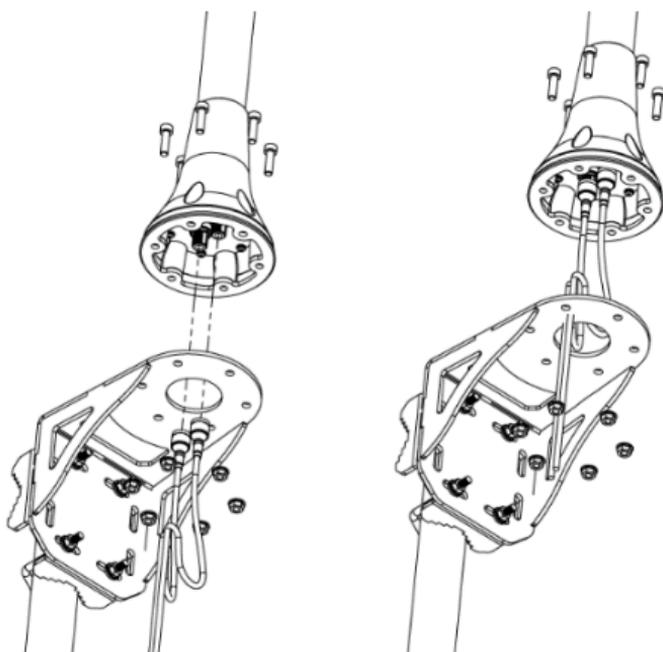
Pole mount with optional Bracket BRKT 90

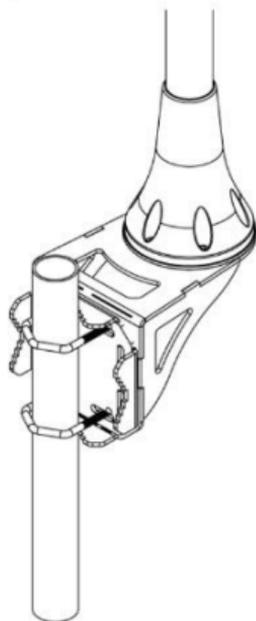
Exploded View



Note:

Connect the cable(s) to the antenna before attaching the antenna to the bracket.





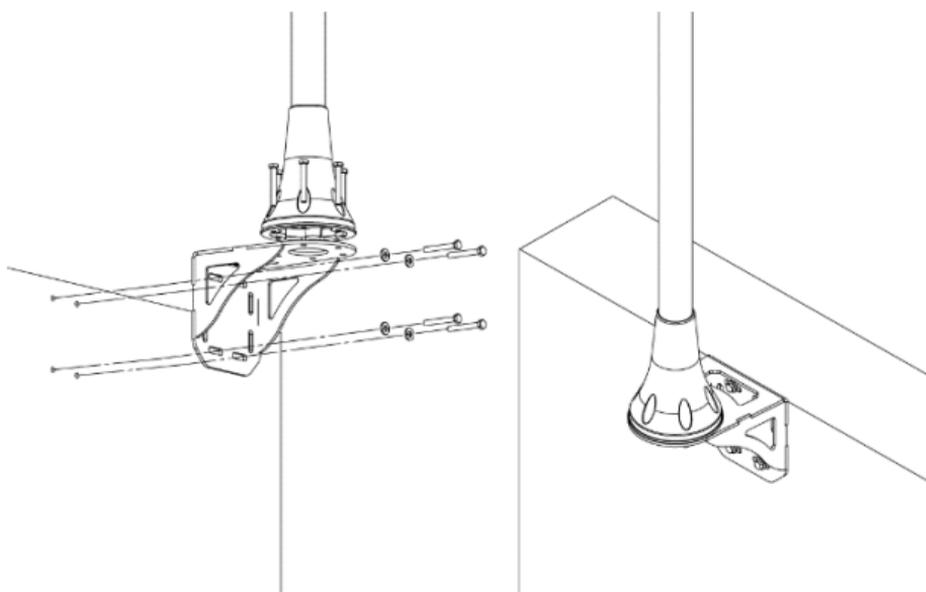
Antenna Configuration 2

Wall mount with optional Bracket BRKT 90.

Exploded View

Note:

Connect the cable(s) to or from the antenna before attaching the antenna to the bracket.



Antenna Configuration 3

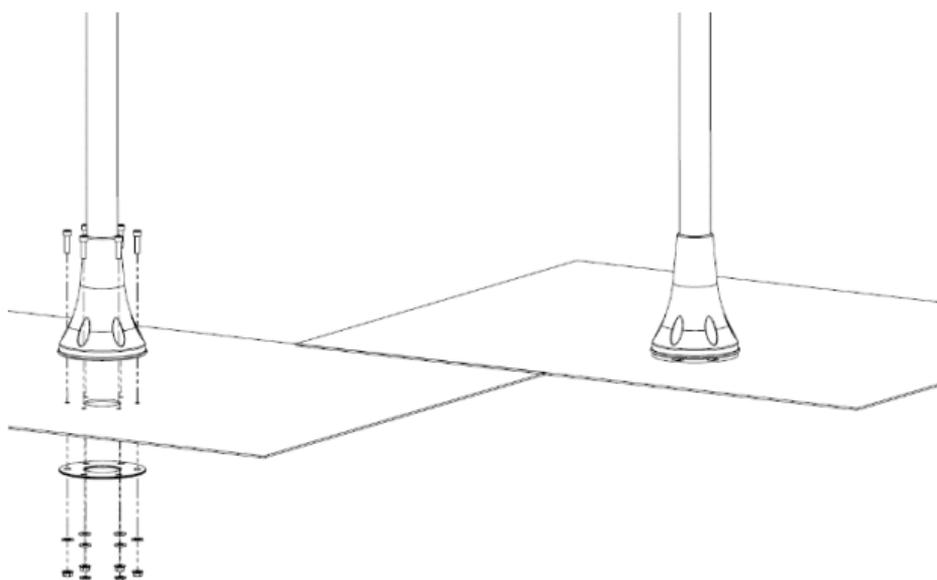
Surface mount with supplied fastening plate.

Exploded View

Note:

Connect the cable(s) to or from the antenna before attaching it to a surface. Download the drilling template from

www.poynting.tech/downloads



3. Antenna Mounting Precautions

- Place the antenna at the highest point of the vessel and ensure that there are not any obstructions surrounding the antenna.
- In order to avoid communication interference, ensure that the antenna is placed at least 0.5m away from other antennas and metal objects.
- Avoid installing the antenna near the vessel's chimney, as the smoke and soot emitted by the chimney can obstruct the signal level achieved by the antenna.

- Install the antenna away from the vessel's heat sources and flammable gases.

4. Cable Routing

- Survey the planned cable route and look for any blocked passages. Consider alternate routes to find the best available path. Always keep the cables as short as possible to make sure that minimum cable losses are achieved.
- Note: Take advantage of any existing cable channels. e.g wiring conduits to route the cables.
- Avoid running cables through components or sharp apertures that may cause excessive chafing. Doing so may erode the jacket and break signal continuity. Also, avoid kinking, pinching, or twisting the cable during a run.
- Use cable ties to secure the antenna cables.
When handling the antenna cables, it is essential you follow these basic rules:
 - Never pull on the cable connectors; pull only on the cable.
 - Tighten the connectors and ensure that the cables don't rattle loose.

5. Safety

- If you are installing an antenna for the first time or unsure about how to install your antenna, obtain the help of a professional installer.
- Carefully survey the installation site before installation to locate secure handholds, dangerous conditions and the safest and

most convenient placement for ladders if necessary.

- The antenna may not be used as a climbing or pulling device.
- Considerations must be taken when mounting the antenna that people do not hang or pull on it.

- When installing your antenna, remember:
 1. Do not install on a wet or windy day or when there is lightning or thunder in the area.
 2. Wear shoes with rubber soles and heels, protective clothing (long sleeve shirt or jacket) and rubber gloves.
 3. Avoid installation while under the influence of drugs, alcohol or medication.
 4. Make sure that any loose-fitting jewelry or clothing is secured and tie back long hair as they can get caught in moving parts during installation.
 5. If the antenna assembly starts to fall, get away from it and let it fall to avoid harming yourself.

- When drilling, remember:
 1. Use safety goggles when drilling the holes.
 2. Avoid using bits that are dull, bent or damaged.
 3. Be aware of where your fingers are in relation to the drill bit when using the drilling machine.
 4. To stop the drilling machine, let the drill chuck come to a complete stop on its

own. Do not grasp the chuck in an attempt to stop the drill bit.

5. Avoid awkward hand positions where a sudden slip could cause a hand to move into the drill bit or cutting tool.

CAUTION:

Antennas must be installed to provide a separation distance of at least 20cm from all persons so as to comply with SAR (Specific Absorption Rate) RF Exposure requirements.



European Waste Electronic Equipment Directive 2002/96/EC

Please ensure that old waste, electricals

and electronics are recycled.



Directive 2011/65/EU (RoHS 3)

This product is fully compliant with the RoHS 3 directive.