

LIGHTNING ARRESTERS

Installation Instructions

Required Tools & Accessories

18 AWG Grounding Wire (Up to 4)

Metal Sheet (Optional)

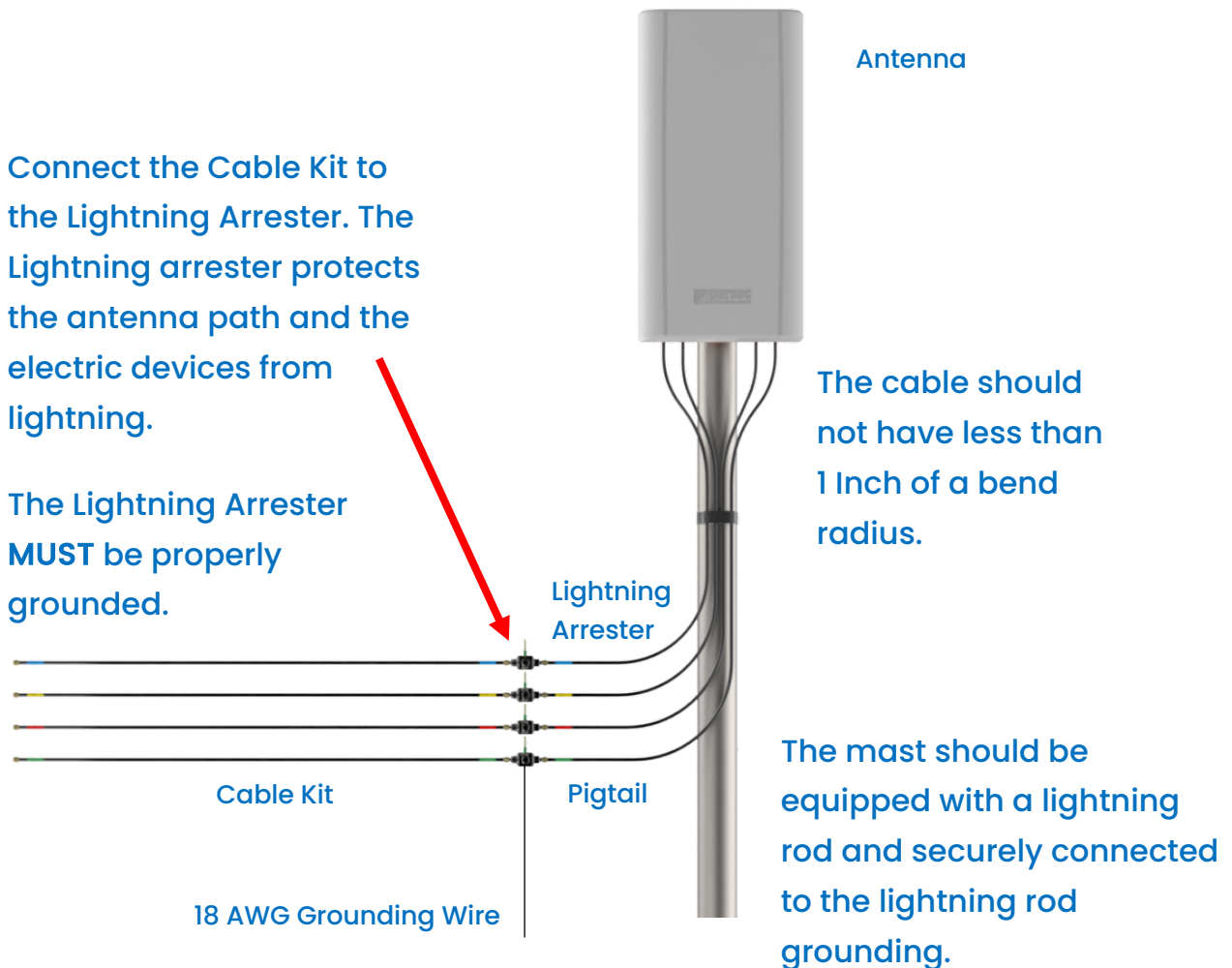
Flat Head or Philips Head Screwdriver (Based on Model)



Cable Kit Option

1. Connect the cables from the Antenna to the Lightning Arrester
2. Connect the Lightning Arresters to the other side of the Cables in the Cable Kit
3. Ensure that each Lightning Arrester has been properly grounded using a grounding connection and 18 AWG Grounding Wire

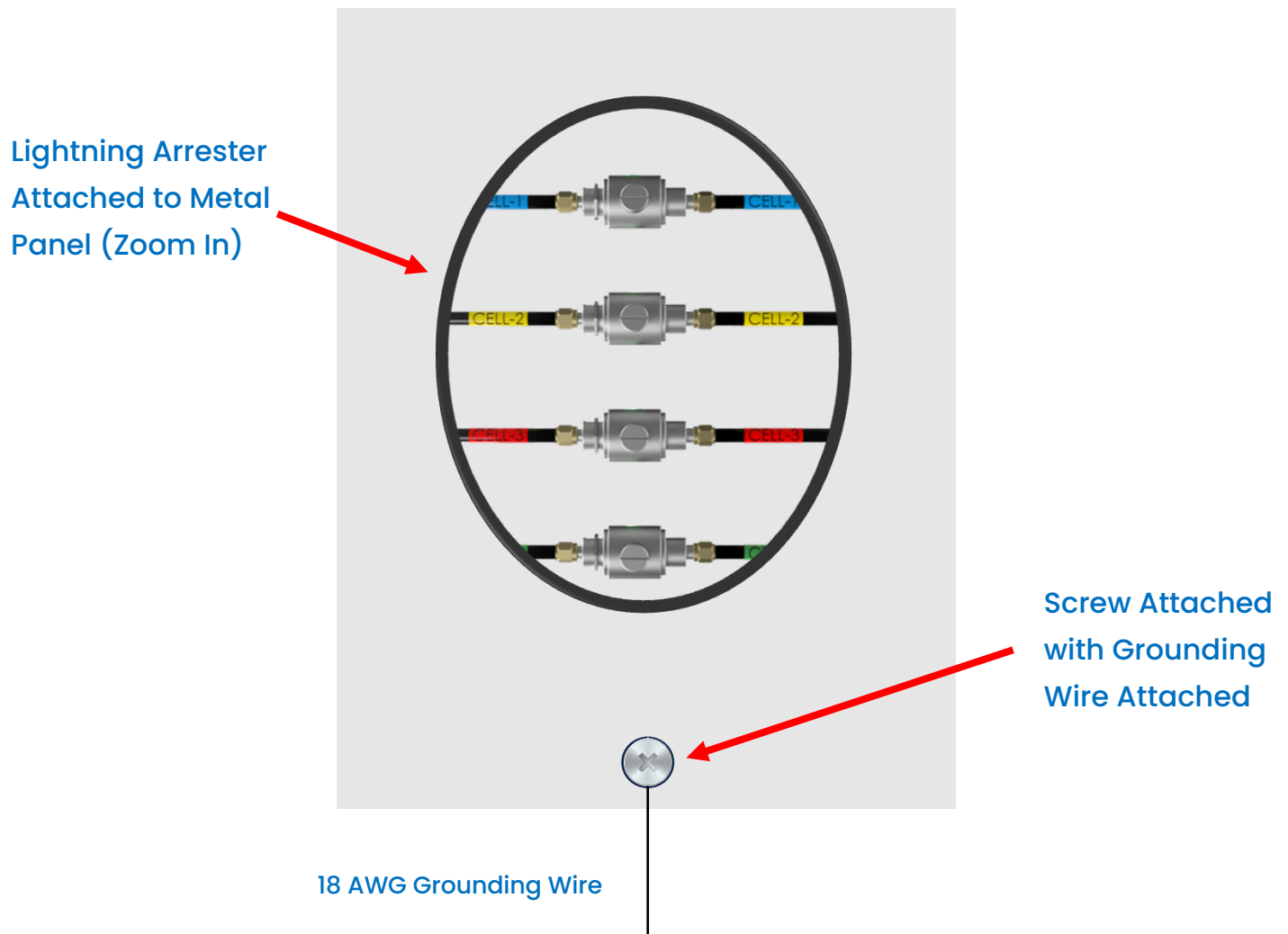
Final Connection Diagram:



(Optional) Using a Metal Panel for Grounding

Another option to mount and ground the Lightning Arresters is to mount them onto a single metal panel with only (1) 18 AWG Grounding Wire and a screw.

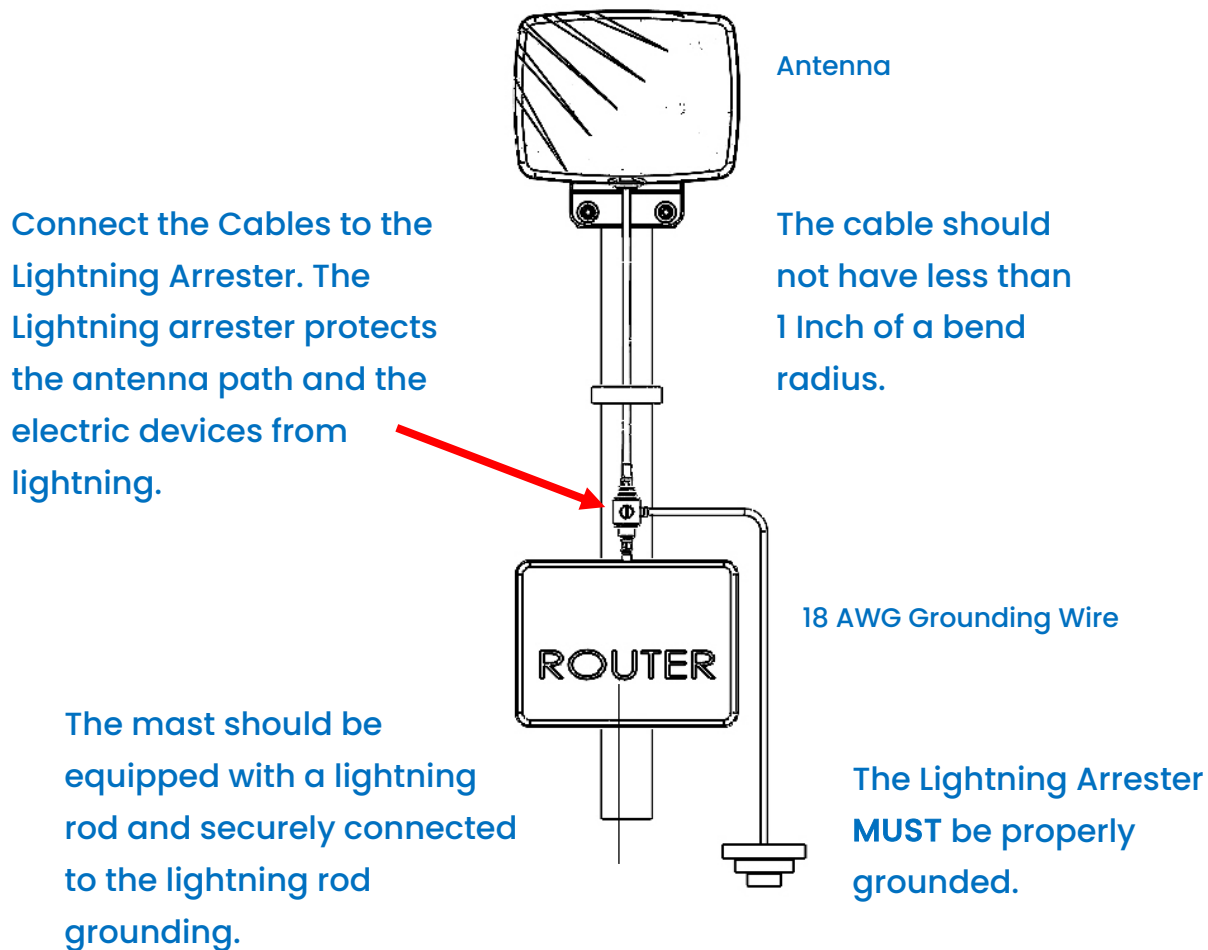
1. Based on the number of lightning arresters, cut a 5/32" mounting hole into the metal panel where the lightning arrester will be mounted.
2. Using the Flat Head (for PTA0736) or Phillip (for PTA0476) Screwdriver, unscrew the screw for the Grounding on the lightning arrester and then put the screw through the hole that was cut out and reinstall it back into the lightning arrester till it is firmly mounted in place. Repeat this step for multiple lightning arresters.
3. Based on the screw size of your choice, cut out a hole towards the bottom of the metal panel to attach a screw to act as the grounding connection for the 18 AWG Grounding Wire to attach to so all the lightning arresters can be grounded.
4. Ensure the metal panel has been properly grounded using a grounding connection and the wire.



No Cable Kit Option

1. Connect the cables from the Antenna to the Lightning Arrester
2. Connect the Lightning Arresters to the Router
3. Ensure that the Lightning Arresters have been properly grounded using a grounding connection and 18 AWG Grounding Wire

Final Connection Diagram:



Commission and Testing

Check each coaxial cable connector and confirm that it cannot be easily loosened. Visually inspect the coaxial cables to ensure that they are not sharply bent and are sufficiently secured and supported between the antenna and the router.

Use a cellular device's built-in diagnostics to confirm the RSSI is higher than -75dB. Confirm the cellular connection supports communications at required data rates.

Connect the cellular/LTE cables to the router and stow any unused coaxial cables to avoid damage.



CAUTION

To comply with FOC RF Exposure requirements in section 1.1310 of the FCC Rules, antennas used with this device must be installed to provide a separation distance of at least 20 cm from all persons to satisfy RF exposure compliance.



DO NOT

- Operate the transmitter when someone is within 24 inches of the antenna
- Install the antenna or mast assembly on a windy day
- Install the mast close to power lines as it can cause serious injuries or death



WARNING

Watch out for overhead power lines. Check the distance to power lines before beginning installation.



WARNING

This document gives the detailed instructions to install an antenna to the best of our knowledge. This document is for general information only. It cannot be used as a warranty. Parsec Technologies Inc. will not accept any liability for any damage caused by an antenna due to unknown variables.



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