

PAV692780

698-960 MHz/1710-2700 MHz

ASSEMBLY AND INSTALLATION INSTRUCTIONS

SPECIFICATIONS

MODEL	PAV692780
Frequency (MHZ)	698-960 / 1710-2700
Antenna Type	Directional Panel Outdoor
VSWR Max	< 2.0:1
Gain	8 dBi
HP Beam Width Azimuth	75° / 63°
HP Beam Width Elevation	64° / 51°
Front to Back Ratio	10 dB / 25 dB
Polarization	Vertical
Nominal Impedance	50 Ohms
Power Watts	50 W
Enclosure Outdoor	Material: ASA White UV Stable
IP Rating	IP 67
Dimensions	9.82 x 9.8 x 2.41 inches 249.4 x 248.6 x 61.3 mm
Mounting	Wall and Mast Mount
Antenna Weight kg (lbs)	.62 (1.35)
Operational Temperature	-30°C to +70°C
Storage Temperature	-40°C to +85°C
Material Substance Compliance	RoHS



Patent Pending

Please read all instruction carefully before attempting to install and use this product.

SAFETY

The PAV692780 and all associated equipment should be installed in accordance with all applicable local and national electrical code guidelines to ensure safe operation.

APPLICATION

The PAV692780 is a wide band directional panel antenna with vertical polarization. Covers all applications in the 698-960/1710-2700MHz. Small Cells, Indoor DAS, Wireless Terminal Point-of-Sale, Machine to Machine. Automatic meter reading and security.

LOCATION

For best results, mount the antenna near the center of the coverage area. A line-of-sight path between the antenna and active locations works best. Avoid mounting next to a column or vertical support that could create a shadow zone.

INSTALLATION

The PAV692780 is a multi-band, high gain, directional panel antenna for use in LTE applications. Enclosed in a compact radome, the antennas are mounted to mounting brackets. The mount can be affixed to a mast. For wall mount, the bracket is fixed to the wall before it is hung to the bracket. Port is connected to the Cellular Access Point. The radiation patterns are uniform and symmetrical, providing high-level signal density into defined coverage zones. This antenna will greatly enhance the performance of LTE systems.

Warranty and Liability

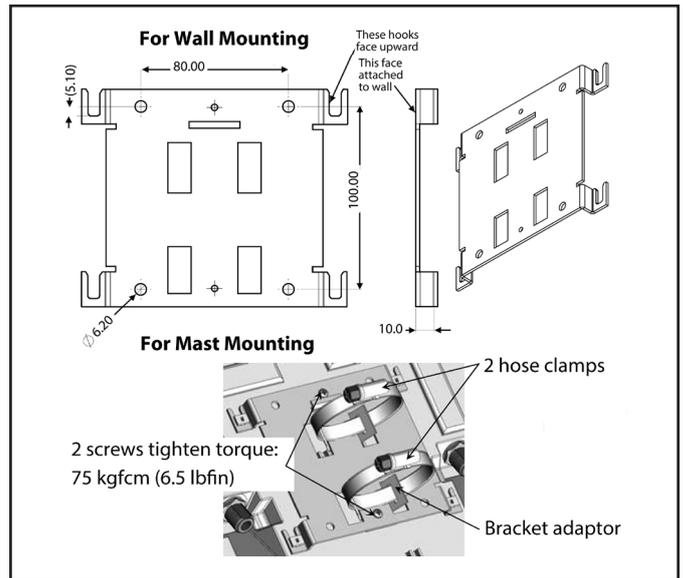
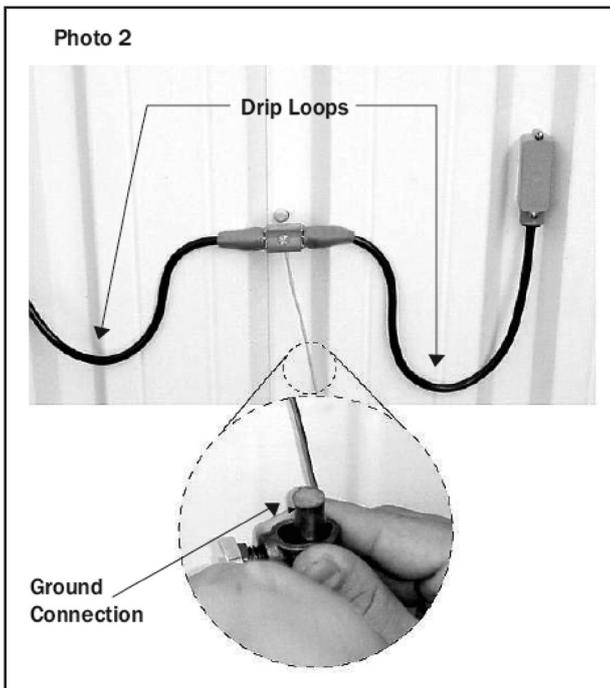
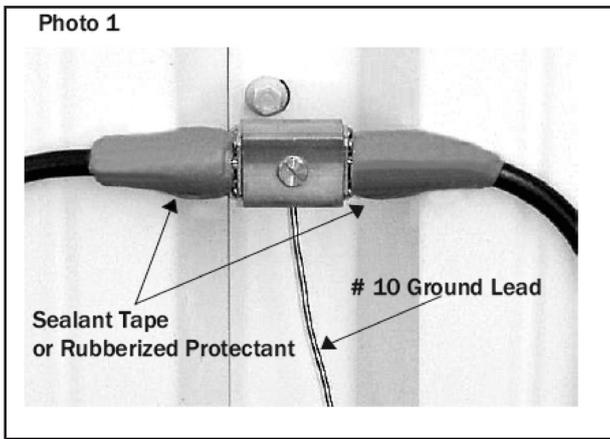
Laird warrants to the original purchaser that antenna products will remain free from defects in materials and workmanship for a period of (5) years from the purchase date. If any such defect is discovered within the warranty period, Laird will at its sole option, repair or replace the Product free of charge upon its return to the factory. This warranty applies only if the Product is used in a normal fashion, and is void if the Product is abused, disassembled, tampered with, used unreasonably, or fails as a result of normal wear. Furthermore, this warranty applies only to defects, which occur where the proper Product is selected as recommended by Laird and is used in the fashion recommended by Laird for the defective Product. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND IS LIMITED TO A PERIOD OF (5) YEARS FROM THE DATE OF ORIGINAL PURCHASE. LAIRD IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND. ANY WARRANTY EXTENDED HEREIN SHALL BE LIMITED TO THE PRICE PAID TO LAIRD FOR THE DEFECTIVE PRODUCT. WHERE STATE OR LOCAL LAW GOVERNS THE PERIOD OF WARRANTY, SUCH PERIOD SHALL CONTROL.

Americas: +1.847 839.6907
IAS-AmericasEastSales@lairdtech.com

Europe: +44.1628.858941
IAS-EUSales@lairdtech.com

Asia: +86.21.5855.0827.127
IAS-AsiaSales@lairdtech.com

www.lairdtech.com



The PAV692780 is shipped with wall mounting bracket, anchors and mollies (see above for location of drilled holes). Hose clamps and bracket adaptors are used for mast mounting. The connectors should face down for both mountings.

INSTALLATION

For best results, install the lightning arrester in close proximity to a low-resistance ground at a point where the coaxial cable enters the building (see Photo 1). In most cases, one 8-foot rod (or multiple rods bonded together) driven into moist soil will provide adequate grounding (see National Electrical Code guidelines).

To connect the Lightning Arrester to ground, use a very short and direct run of #10 solid copper wire (or equivalent).

For exterior installations, use weatherproof coax connectors with a suitable mastic or rubberized tape to prevent water incursion (see Photo 1).

Be sure to install the lightning arrester in an accessible location that permits periodic inspection and replacement (as needed).

Provide drip loops in cables to prevent water from entering the building (see Photo 2).