

NC10

Antenna Lightning Arrestor



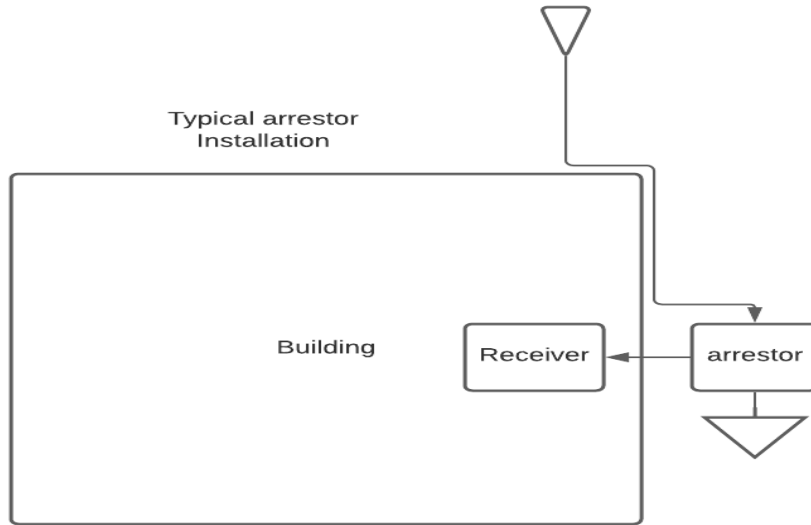
The Novus NC10 lightning arrester is a bi-directional gas discharge tube suppressor that features wide-band operation up to 6 GHz and is rated at IP67.

Simply attach the lightning protector to an access point to help protect an entire network, outdoor antennas and other wireless equipment from the build-up of static electricity.

It is recommended to use 18 American Wire Gauge (AWG) ground wire.

It is not possible to avoid damage due to a direct lightning strike. This device will provide protection from induced energy from nearby electrical activity that would otherwise damage an electrical device.

Grounding of the arrester is critical to the successful operation of the device. Grounding to the copper water line entering the building is ideal. This must be done with as short a cable as possible.



Be certain to follow all local electrical codes



Drip Loops

The NC10 is to be placed between the antenna and receiving equipment.

The above drawing is of a typical installation showing the arrester located just before the antenna cable enters the building. The ground connection is essential to assure arrester performance. A heavy gauge (≥ 18 gauge that is as short as possible) is required. Excess ground connection length or low gauge will add high voltages that will enter the building and damage equipment. Cables to the arrester should have drip loops to minimize water incursion into the arrester. Once securely mounted and all connections are made, cable connections should be sealed with a silicon based RTV.

Technical Specifications

Frequency Range	DC 0-6 GHz
Insertion Loss	≤0.9 dB
VSWR	DC~6 GHz <1.4
Impedance	50 Ω
Connector	SMA Jack To SMA Bulkhead Jack
Operating Temperature Range	-40°F to 185°F
Dimensions (L x W x H)	0.9" x 2.7" x 1.2"
Insulation Resistance	≥2000 MΩ
DC Discharge Voltage	90 V
Initial Impulse Wave Discharge Voltage	450-500 V (1KV/μs)
Rated Impulse Wave Discharge	20 KA (Wave 8/20 μs) 10 Times (5 Times Each Polarity)
Weight	0.21 lbs
Ground Connection	By Feedthrough or Screw Terminal
Recommended AWG	18 AWG ground wire

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