

Application

When thunderclouds are formed, a strong electromagnetic field is formed between the earth and the thunderclouds. The OMEX ESE AIR TERMINAL early discharge lightning rod uses the potential difference between the ground and the cloud layer through the bottom electrode to convert and store energy in the discharge trigger device. When the electric field intensity reaches a certain level, the upper electrode discharges, causing the tip to spark, forming a strong ionosphere around the tip. This high-intensity ionization discharge produces an upward early leader, which distorts the trajectory of the downward leader of the lightning. The upward leader and the downward leader meet in the air to form a lightning path, which guides the lightning current to the central axis of the lightning rod and is safely released to the earth through the lower conductor. Since the early discharge lightning rod can produce an upward leader earlier than the ordinary lightning rod, it is equivalent to increasing the lightning rod by tens of meters, thereby increasing the protection range.

Features

1. Fast start-up time and larger protection range.
2. More accurate lightning point, reducing the probability of side strike by lightning.
3. Easy to install, small size, light weight, corrosion resistance.
4. Safe and reliable, compact structure, exquisite shape
5. ISO9001 certification, ISO14001 certification
6. Passed the inspection of Beijing Lightning Protection Device Test Center and Wuhan High Voltage Research Institute, national authoritative institutions
7. Product warranty period of 20 years, with product liability insurance

OMEX early discharge lightning rod is mainly composed of 4 parts:

1. Lightning rod tip
2. Lightning rod pulse generator protective cover
3. Lightning rod pulse generator
4. Lightning rod support

OMEZ Lightning Conductor RY-OMEZ01

Pole Φ 18mm,L:450mm
Triggering Device:Cylindrical bar diameter:70mm
Lower ball Φ :100mm L:300mm
Mast Φ 20mm L:335mm
Length:1085mm Weight: \geq 4.6KG

