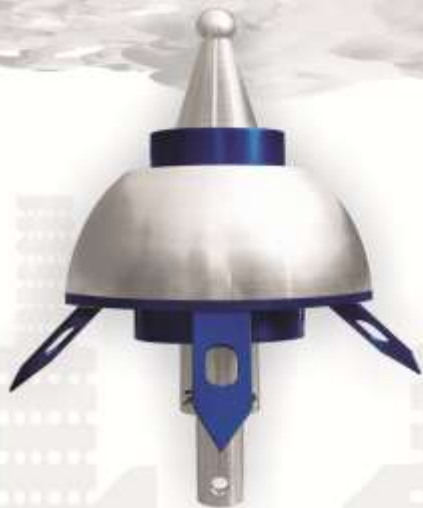




Early Streamer Emission (ESE)



EF-85

Protection Radius 40 meters



Early Streamer Emission (ESE)



EF-60

Protection Radius 60 meters



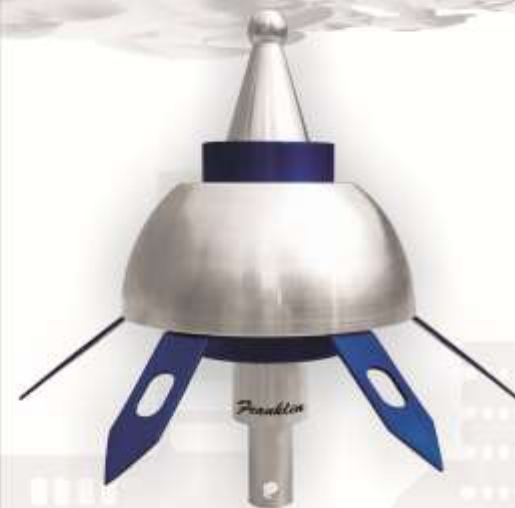
Distributor :



3 years



Early Streamer Emission (ESE)



EF-150

Protection Radius 150 meters



- Futuristic Technology
- Modern Design
- No Power Supply or Solar Cells
- No Radioactive
- Discharge Current 300 kA
- Protection Radius 60m-85m-150m
- 3 (three) Years Product Warranty

About Evo Franklin Lightning Systems

Evo Franklin early streamer emission (ESE) lightning protection is a lightning protection system built by an electric impulse sensor components, electrical energy collector, rod lightning rod, ion generator terminals, and electronic ion generator.

Evo Franklin early streamer emission (ESE) lightning protection is a lightning protection system that operate as the shooter-fired ions in a large amount of ions into the air at the time of the lightning struck. Releasing a number of ions into space will automatically generate lightning path known as "Upward Leader" earlier struck by lightning than to point to the same height nearby, and also reduces the excitation time of the CORONA effect.



Evo Franklin Specifications

Name	Evo Franklin
Model / Type	EF - 150
Color Available	Silver Blue Metallic
Rate Radius	492 Feet
Weight	492 Ounce
Total Length	300 Millimeters
Outer Diameters	6 Inches
Resistance Available	0.1 - 5.0 Ohm

Large Protections



Name	Evo Franklin
Model / Type	EF - 85
Color Available	Silver Blue Metallic
Rate Radius	278 Feet
Weight	487 Ounce
Total Length	300 Millimeters
Outer Diameters	6 Inches
Resistance Available	0.1 - 5.0 Ohm

Medium Protections



Name	Evo Franklin
Model / Type	EF - 60
Color Available	Silver Blue Metallic
Rate Radius	196 Feet
Weight	163 Ounce
Total Length	300 Millimeters
Outer Diameters	2.5 Inches
Resistance Available	0.1 - 5.0 Ohm

Small Protections



Evo Franklin has three (3) types of products:

- EF-60 which has a radius of 60 meters maximum protection
- EF-85 which has a radius of 85 meters maximum protection
- EF-150 which has a 150-meterradius of maximum protection

Research and Development



The company has an on going commitment to Research and development. Evo Franklin personnel and their associates have been involved in a number of field trials throughout lightning prone regions of the world. This experience has extended throughout such countries as Thailand, Indonesian, USA and Africa.

How Evo Franklin Work ?



Lightning initiates from an electrical storm which usually generates within a cumulonimbus cloud. When electrical energy has built up within such a cloud a "leader" of energy leaves it and will try to attach itself to a point on the ground which contains the most particles of energy of reverse polarity. Some 90% of such "leaders" contain negative charges.

It has long been the endeavour of lightning protection specialists such as to Evo Franklin create a preferred point of attachment as offered by the Evo Franklin and more recent times, to do so effectively so that large areas of protection can therefore be provided from a single lightning terminal.



Evo Franklin Cable

Lightning Protection Cable / HVSC is a high integrity low impedance cable which is particularly effective on structures containing high density human occupancy and those which contain sensitive electronic equipment, volatile liquids and other sensitive applications.

- Coaxial Cable
- NYY Cable
- NYAF Cable



Coaxial cable

NYY cable

NYAF cable

Lightning Ground Systems

In electricity supply systems, an earthing system or grounding system is circuitry which connects parts of the electric circuit with the ground, thus defining the electric potential of the conductors relative to the Earth's conductive surface. The choice of earthing system can affect the safety and electromagnetic compatibility of the power supply; in particular, it affects the magnitude and distribution of short circuit currents through the



system, and the effects it creates on equipment and people in the proximity of the circuit. If a fault within an electrical device connects a live supply conductor to an exposed conductive surface, anyone touching it while electrically connected to the earth will complete a circuit back to the earthed supply conductor and receive an electric shock.

Evo Franklin Sleeve Mast Connector



Sleeve mast connector is a protective pipe lightning protection made of fiberglass material. The function of the sleeve mast connector is to keep away or as a terminal terminal of Evo Franklin so as not to come into direct contact with the buffer pipe. Can withstand electromagnetic waves from lightning strikes.

Evo Franklin Lightning Installation



Monopole installation

Top-Building installation

On Tower installation

Type	Structure height installed EF terminal (Typical 5m above structure)	Protection Level High	Protection Level Standart	Protection Level Low
EF - 150	10 - 20	130	150	160
	20 - 30	150	160	170
	30 - /	160	180	190
EF - 85	10 - 20	70	75	85
	20 - 30	80	85	105
	30 - /	80	105	120
EF - 60	10 - 20	45	60	70
	20 - 30	60	75	85
	30 - /	80	90	100