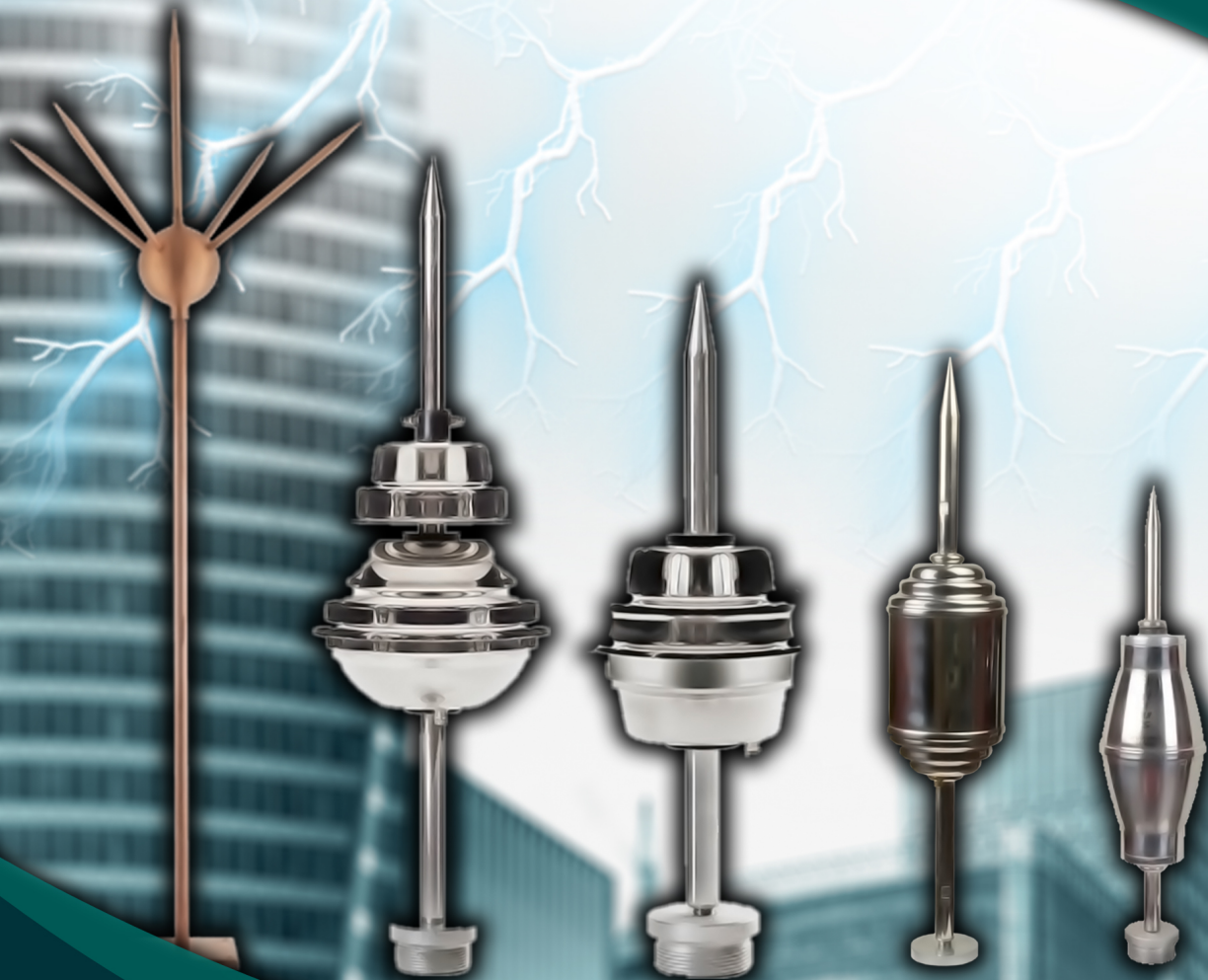




# SKYLINE

Earth System Pvt. Ltd





## ABOUT ESE LIGHTNING ARRESTOR

ESE Lightning Arrestor provides lightning safety to protect tall or isolated building, this conventional lightning arrester is installed at the roof of the building or mast of a vessel which then protects your building from lightning. This type lightning arrester are special grounding systems designed to safely conduct the extremely high voltage currents associated with lightning strikes..

## ESE LIGHTNING ARRESTOR USES

- ① ESE Lightning Arrester are widely used all over the world in different industries. Here are the top uses of ESE Lightning Arrester.
- ② Lightning Protection System or Lightning Conductor is a system designed to protect a commercial or residential structure from damage due to lightning strikes.
- ③ By intercepting such strikes and safely passing their extremely high voltage currents to "ground".
- ④ Lightning protection systems include a network of ESE (Early Streamer Emission) lightning rods, metal conductors, and ground & electrodes
- ⑤ Designed to provide a low & resistance path to ground for potential strikes. With 70 sq mm copper down conductor.





## PROTECTION RADIUS [5] AT 5 MTR.

Rp (m)	KALRE /SCHIRTEC $\Delta T: 30\mu s$				KALRE $\Delta T: 40\mu s$				KALRE /SCHIRTEC $\Delta T: 50\mu s$				KALRE / SCHIRTEC $\Delta T: 60\mu s$				KALRE $\Delta T: 90\mu s$			
	Level I	Level II	Level III	Level IV	Level I	Level II	Level III	Level IV	Level I	Level II	Level III	Level IV	Level I	Level II	Level III	Level IV	Level I	Level II	Level III	Level IV
5	48	55	63	72	58	65	75	84	68	76	86	95	79	87	97	107	124	132	145	156

Where it is advanced triggering time in microseconds.  
Higher the it value, Larger will be protection radius.

### CONVENTIONAL LIGHTNING PROTECTION SYSTEM

A spike lightning protection rod is a single component in a spike lightning protection system. To protect a home aur building in the event of lightning, a metal conductor is mounted on the top of the building and electrically connected to the earth through a wire is known as conventional lightning rod (lightning conductor) or spike arrestor.



## SURGE PROTECTION DEVICE (SPD)

Surge protection devices protect against damaging electrical surges on power and communications lines caused by lightning, industrial machinery and other switching events.

## EXOTHERMIC WELDING

Permanent Joints | Corrosion Free  
Low Milli-Volt Drop | Higher Current Capacity  
Mobile & Easy to Use | Welding in Few Seconds  
IEEE 837 Compliant | UL Listed

## LIGHTNING STRIKE COUNTER

The Lightning Strikes will be detected and recorded by Lightning Counter. This device can also show the intact operation of the Lightning System.

## WHY SHOULD WE USE LIGHTNING COUNTER

By using an inductive record, the counter is able accurately to count all lightning events for a later reference.

## LIGHTNING COUNTER TESTER

The Lightning Counter can be checked by this Tester every time. The Tester will indicate OK or FAULT with the help of red or green LED.

## LIGHTNING CONDUCTOR TESTER

With Tester, you are able to determine if there is a short circuit or a fault in the ion generator immediately by simply screwing in the special plug at the end of the cable to the ESE rod and pressing the button on the testing device. We are able to make the cable length on the testing device according to the customer's requirements.

## EARTH PIT COVER

The lightweight inspection pit weights only 1.8kg yet its load is rated upto 5000kg. It has likeably lid and improved working area compared to the concrete inspection pit.



SURGE PROTECTION  
DEVICE (SPD)



EXOTHERMIC WELD  
ACCESSORIES



SCHIRTEC LIGHTNING  
STRIKE COUNTER



KALRE STRIKE  
LIGHTNING COUNTER



KALRE LIGHTNING  
CONDUCTOR TESTER



KALRE LIGHTNING  
COUNTER TESTER



BAKELITE  
INSULATOR



EARTH PIT COVER



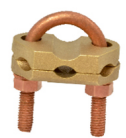
COUPLER



CLAMP

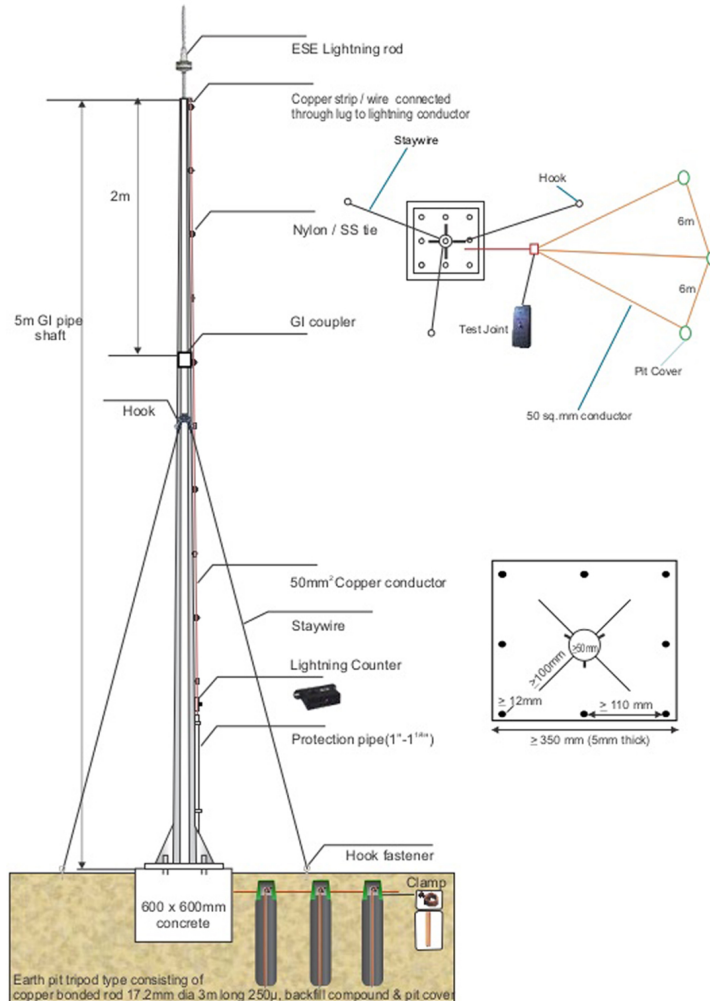


CLAMP



CLAMP



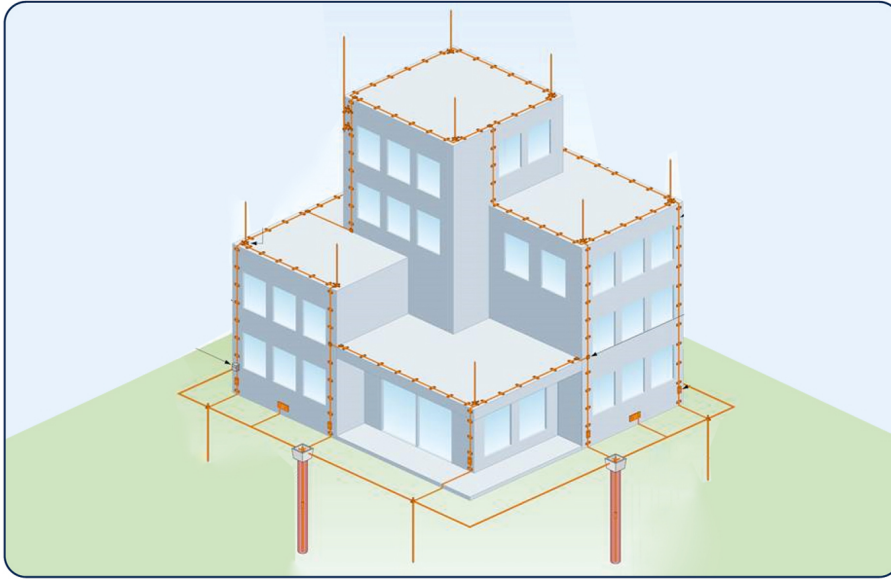


## LIGHTNING CONDUCTOR INSTALLATION DIAGRAM

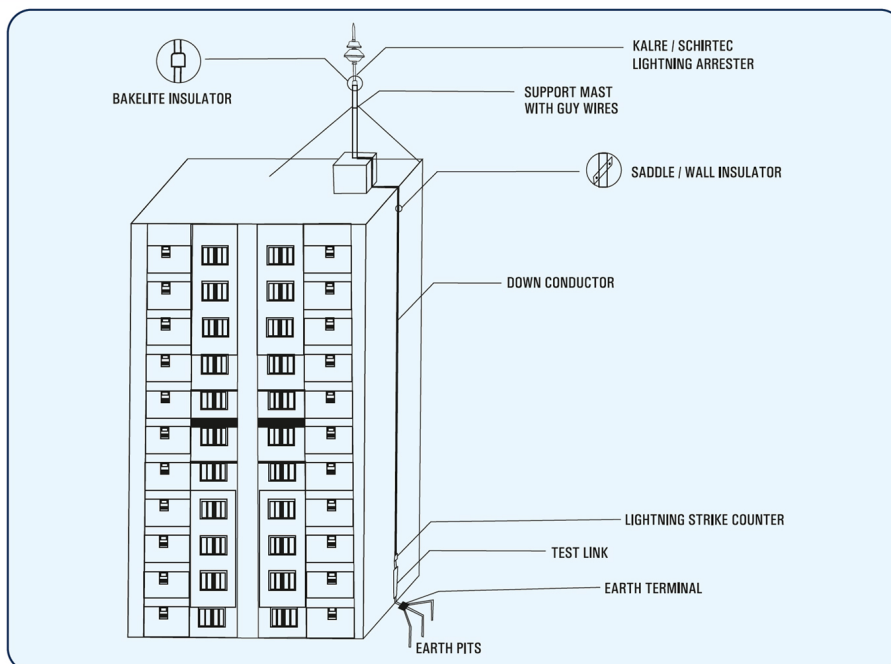
### FEATURES

- ⑤ Free from maintenance charge, the offered range of lightning prevention system can be handled easily.
- ⑤ High protection performance and ergonomic structure are its unique features.
- ⑤ Easy to install.
- ⑤ Standard quality.

## INSTALLATION AS PER NF C 17-102:2011 STANDARD



## INSTALLATION AS PER NF C 17-102:2011 STANDARD



EARTHING | GROUNDING | BONDING

## Our Certification



## Application Of Lightning Arrestor



## OUR PRODUCTS

GI EARTHING ELECTRODES | COPPER EARTHING ELECTRODES  
COPPER BONDED EARTHING ELECTRODES | COPPER BONDED EARTH RODS  
ESE ADVANCED LIGHTNING ARRESTORS | CONVENTIONAL LIGHTNING ARRESTORS  
SURGE PROTECTION DEVICE | GROUND EARTH ENHANCING COMPOUND  
EXOTHERMIC WELDING & EARTH PIT COVER