ABOUT FLASH VEKTION

FLASH VEKTION LIGHTNING PROTECTION SUPREMACY

- Designed by Indonesian lightning engineer and Germany architect
- Durable Terminal Unit
- Fixed Maintenance
- No Power Supply or Solar Cells
- No Maintenance
- Discharge Current: 150 KA
- More Practical, designed easily for installation in the ground
- High Quality Materials
- UL & IEC Standards
- More Economical and Affordable Price
- Latest Technology (Exceptional for Tropical Zone)
- Trustworthy Produce
- Local Lightning Rod Production Company Cooperate with German Company

FLASH VEKTION lightning protection system is a one system designed to protect a structure from damage due to lightning strikes by intercepting such strikes and safely passing their extremely high voltage current to the ground. Flash VEKTION lightning protection system include a network of lightning rods, metal conductors, and ground electrodes designed to provide a low resistance path to ground for potential strikes.

RECOMMENDATION
- Certification Flash VEKTION Lightning Protection
- 7 (Seven) year Warranty
- Labor & Department Interior
- State Electricity Firm and Indonesian LMK

OBJECTIVITY
- A. Building
- B. Industry Area
- C. Factory
- D. High Electronic Tools/Transmitter
- E. Entertainment, etc.

FLASH VEKTION DETAIL

- Main Rod Receiver
  - The rod is made from metal high temperature, this rod has capacity to receive lightning flash up to 550 KA.

- Electrodes
  - This electrodes serves as a main rod in collecting discharges and energy reserve as an energy source for awakening early stormer emission (ESC) system.

- Compact Ion Carriers/Generators
  - Collect energy from electrical field, consist of energy capacitor unit and ion awakening, sensing and protection zone.

- Wing Discreetizer
  - This part is a conductor to shock ion.

- Connector
  - This part is a connector of down conductor.

Operation System

At a time a flock of cloud flow and approach the top of building which has been protected by lightning protection Flash VEKTION. Those electrostatic in the equipment collect and apply energy from electrical cloud and electric field in the capacitor unit after nettle has been adequate then flown to the ion generator in the same time plenty of atmospheric electrical energy among the cloud inform ion generator. This information then managed by ion generator as a trigger to discharge this energy. This triggering will result stormer loader from central pick up rod and awakening projection for terminal Unit.

Laboratorium Test

Protection Shape

Protection Shape of Flash VEKTION are similar with a cage (look at figure below) so everything under and inside of the cage will be safe from direct lightning flash.

FLASH VEKTION TYPE

Lightning strike occur of the charge of electrical load (negative charge) from the cloud to the surface of the ground, choose the highest object that containing electrical load (positive charge). We can use “Step Leader” lightning strike, it is like a glowing lines on the sky. Effect from the lightning strike can cause very serious damage to building, occupants and electrical equipment.

Flash VEKTION is the pioneer of lightning conductor electrostatic system from Indonesia, have a large protection area, efficient at low maintenance (Flash VEKTION use existing power from negative charge of the grounding system).

TABLE OF HIGH RISK PROTECTION RADIUS

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WWW.FLASHVEKTION.COM
FLASH VECTRON LIGHTNING CABLES

EXTERNAL INSTALLATION  INTERNAL/EXT. INSTALLATION  HIGH EXTERNAL INSTALLATION

When the installation of lightning conductor cable placed outside away from buildings and other installations (electrical and data) or away from the reach of the occupant, choose the cable con BCC (bare copper conductor) at least 50mm, with cheap consulation.

Meanwhile, when the anti-lightning conductor cable is put away from the buildings and other installation (electrical, data) or away from the reach of the occupant, can use cable NYJ 50mm or 1/2mm cable with consultation enough to withstand lightning induction.

NYA, match same cable with NYJ that make into the NYJ cable that has two insulators or two layers of copper wrapping, wrapping one layer while the NYJ or the insulator. And when the path installation can not keep away from other installations (electrical, data, control, etc) then the cable type HVS 6 (High Voltage Single Core) should be used as the only cable that can withstand voltage induction/induction (except voltage). For example, HILVY Small Cable and 2x25MM.

SURGE ARRESTER CABLES

NYAF 150mm cable is usually used in the installation of internal protection (Surge Arrester Power). In case of subdivision to bring the cable also has an insulator or wrapping copper, as the cable BC. Even the installation is also highly recommended to wear cord, etc. In terms of installation must be connected for the grounding cable that typically use 50mm DC cable or connected directly to Ground Rod.

In the installation of Internal protection (Surge Arrester PAK) used to use a regular telephone wire, generally, the type of coaxial cable used is used in smaller. The is of course adapted to the use of the PAK and installation on the cable. If you have installed the cable should remain connected to the grounding system, installation so that it can function properly.

MONO POLE LIGHTNING ROD

Mono pole can be used as an option Lighting conductor poles, from of construction is ideal for securing high amperage and or area with a high function of having pole is focused off-lighting in the lightning channel point, because with the shattering of a static object thing then charge the earth will be more focused on the end, of course it is ideal for electromagnetic Lightning rod, lightning rod because utilizing electromagnetic energy the system work.

This type of construction has the technical term ranging from Mono Pole, Single Pole, Free Standing, which is clearly, there is that, this construction scaring upright without any support, either in the form of pipe or steel winding. The form can be pipe (round) or polygon.

Materials which is possible to make a single pillar/more pole is piping, galvanized, stainless steel, double, with a minimum thickness of 3mm when the bottom of the pipe will make the pole so high as 1/2 - 3M, of follow the pole height to be made should the Higher thick (more than 4mm).

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Early Streamer Emission (ESE)
No Power Supply or Solar Cells
No Radioactive
Discharge Current 300kA
Protection Radius 85-150 M

Distributor:

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