Operating Mechanism.
In the mean time, a flock of cloud flow and approach the top of the building which has been protected by lightning protection Neo Flash. The electrodes attached in the equipment collect and deposit energy from electrical cloud and electric field. In the capacitor unit after refilling 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 the energy. This triggering will result streamer leader from central pick up rod and awakening protection for Terminal Unit.

Parts
Central pick up rod: This rod is made of metal that its edge will receive direct lightning flash. It has the capacity to receive lightning currency up to 300 kA.
Electrodes: These electrodes play a main role in collecting, receiving and depositing energy beyond clouds and this energy as sources of energy for awakening Early Streamer Emission leader.
Ion Generator: Consist of energy capacitor unit, ion awakening, lightning sensor and protection ware. The Ion Generator is easy to awaken ion.
Discharge ion in 7 impulse system: This head air terminal will release ion in the form of impulses.

Model and type series
4 series model and type varies according to working unit inside. e.g. Neo Flash TZ. 03 has 3 working unit, and TZ. 05 has 5 working unit.

The Philosophy of working
Working earlier.
The equipment will operate earlier than any other instruments because of Dual Collection energy system.

Product Ion
Ion generation inside of this equipment has large capacity to multiply ions collected from electric cloud and electric field.

Discharge ion in 7 impulse system.
This head air terminal will release ion in the form of impulses.

Terminal Unit Safety System
Multi Working Unit.
This head air terminal Neo Flash consists of multi working unit according to the type & models. The purpose of the system that each working unit work as reserve for each other while one discharges the deposit, the others refill the energy.

Hardware Protection
The equipment have been completed with protection hardware. As known that the equipment contains fragile and damageable electronic sensitive parts.

Protection For Insulation
In order disconnect the equipment and body of buildings. The equipment completed by connector sleeve. After lightning intercepted by the head then flown to down conductor without any connection with the building.

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