




**TEK1000
LIGHTNING ARRESTER**





TEK1000 is a Solid Copper Air terminal lightning protection device of 300 mm long, connecting feature of 25 x 3 mm / 70 Sq mm down conductor internally assembled with 100 mm Spherical gap Copper ball with 4 numbers of flash protection spikes (10mm diameter 100 mm long).

Teksai TEK1000 lightning arresters working on a simple principle of Benjamin Franklin which states lightning charges nature of finding easiest path to earth from a nearest sharpest conductor from cloud clubbed with air gap balls which gathers charges from connected earth making lightning attraction more effective.

One entire system of TEK1000 can protect a built-up area of 3500 Sq Ft

TEK1000 is fixed with 300 mm long isolated fiber glass - reinforced plastic (FRP) mast. The isolated down conductor internally connected to the air terminal inside the FRP, 3 Meter GI Mast and base Setting used for top area setting, down conductor used with insulation will be connected to chemical earthing.

▲ *Provides air terminal fitted to an isolated fiberglass-reinforced plastic (FRP) mast.*

▲ *Our Specially designed Masts offer natural isolation properties, high strength for windy sites and low weight to minimize mast loading.*

▲ *Features lower-cost and Best Results at the typical shorter installation requirements.*

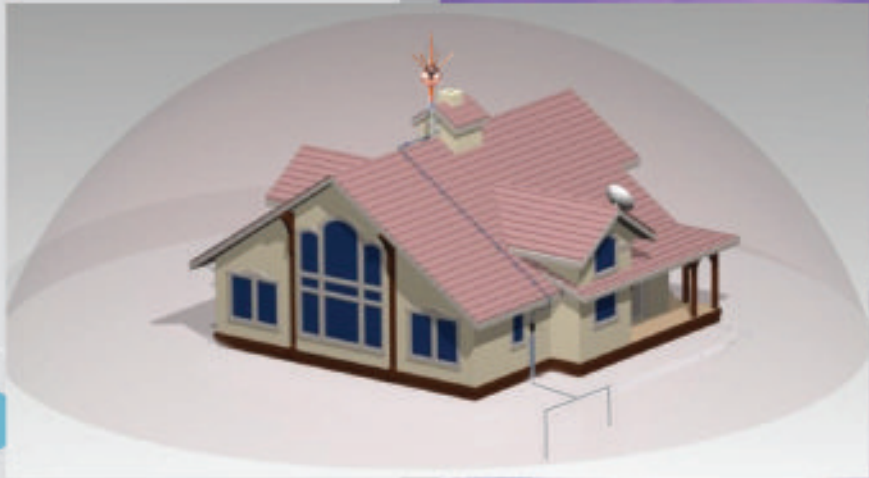
▲ *Maintenance free chemical earthing used for installation.*

▲ *Complies with EN 50164-1 and EN 50164-2.*

▲ *Approved By Central Power research institute-Bangalore (Govt. of India Lab).*

▲ *5 Yrs Replacement warranty and 15 Yrs Service warranty*

PROTECTION LEVEL	EFFECTIVENESS OF LIGHTNING CONDUCTOR E
I	0.98
II	0.95
III	0.90
IV	0.80



Particulars	Specification
Material	Copper
Air Rod Height	300 MM
Air Rod Diameter	100 MM
Protection Angle	65°
Corresponding Protection Radius	2.14 h
Max Impulse Current Discharge	50 KA
Average Discharge Current	25 KA
Current Gradient Less Than	40KA
Grounding Resistance	Less Than 10 Ohm
Resistible Wind Speed	Over 50m/s





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