

# FOREND ESE EU

- The Forend ESE EU lightning protection system is in full compliance with French lightning protection standard NFC 17-102
- Based on  $\Delta T$  value Forend ESE EU has 2 models
- The air terminal should be capable of tracking lightning stroke up to 63 micro seconds earlier as compare to passive lightning rod.
- Ion generator is located in a special section which is of stainless body inside and covered with special resin to shield from external effect. As the atmospheric electric field increases during lightning storm, generator becomes active and ionizes surrounding air.
- It has provision for testing using terminal tester and provision for terminating down conductor.



**FOREND-ESE EU**

MODEL NAME	FOREND ESE EU-M	FOREND ESE EU				
MODEL NO	F10105	F10110				
TYPE	ESE	ESE				
$\Delta T$	45 $\mu$ S	63 $\mu$ S				
MATERIAL	Stainless steel	Stainless steel				
WEIGHT	3.2Kgs	4.4Kgs				
HEIGHT	63cm	63cm				
TEST REPORT	BET & ICMET	BET , ICMET & CPRI				
<b>CALCULATION OF Rp : RADIUS OF PROTECTION (in Mtr)</b>						
HEIGHT OF MAST IN MTRS	LEVEL			LEVEL		
	I	II	III	I	II	III
2	25	32	36	35	43	47
3	38	48	54	51	62	68
4	51	65	72	67	81	90
5	63	80	89	82	100	110

## APPLICATION BASED ON ENVIRONMENTAL CONDITIONS

Applicable to all structures & Environment, Moisture Area, Hazardous Area, Petrochemical Area and also can be install on high temperature area upto 300°C.

## APPLICATION BASED ON SUPPORTING STRUCTURE

On GI, Al, FRP Mast, On tripod tower, Angle tower, Swage Pole, Rotating observatory and also Mobile mast

INDIA CLIENTS

AIR PORTS, ADITYA BIRLA GROUP, TATA, ECIL, ESSAR, LANCO, DRDO, PHARMA, BALCO



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