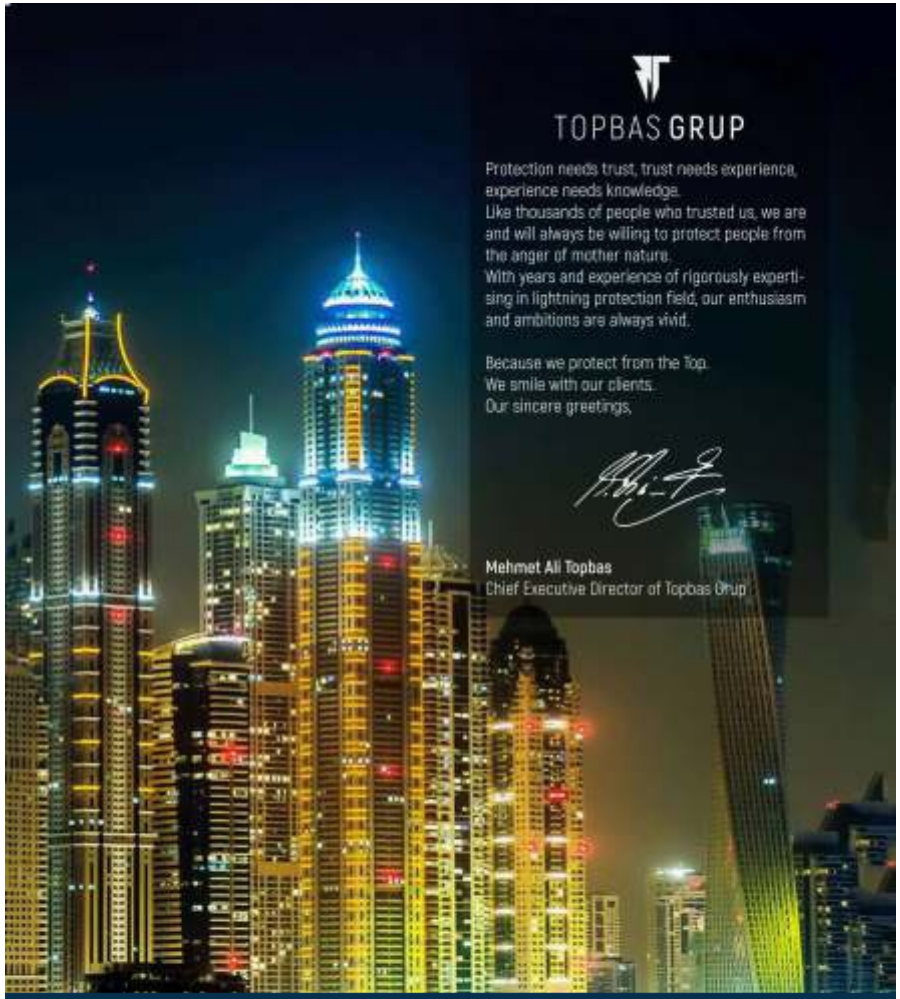

TOPBAS GRUP

Protection needs trust, trust needs experience, experience needs knowledge.
Like thousands of people who trusted us, we are and will always be willing to protect people from the anger of mother nature.
With years and experience of rigorously experti-sing in lightning protection field, our enthusiasm and ambitions are always vivid.

Because we protect from the Top.
We smile with our clients.
Our sincere greetings,

Mehmet Ali Topbas
Chief Executive Director of Topbas Grup

Topbas Lightning Protection Systems
1103/E, Balatcik mah. Cigli / Izmir / TURKIYE

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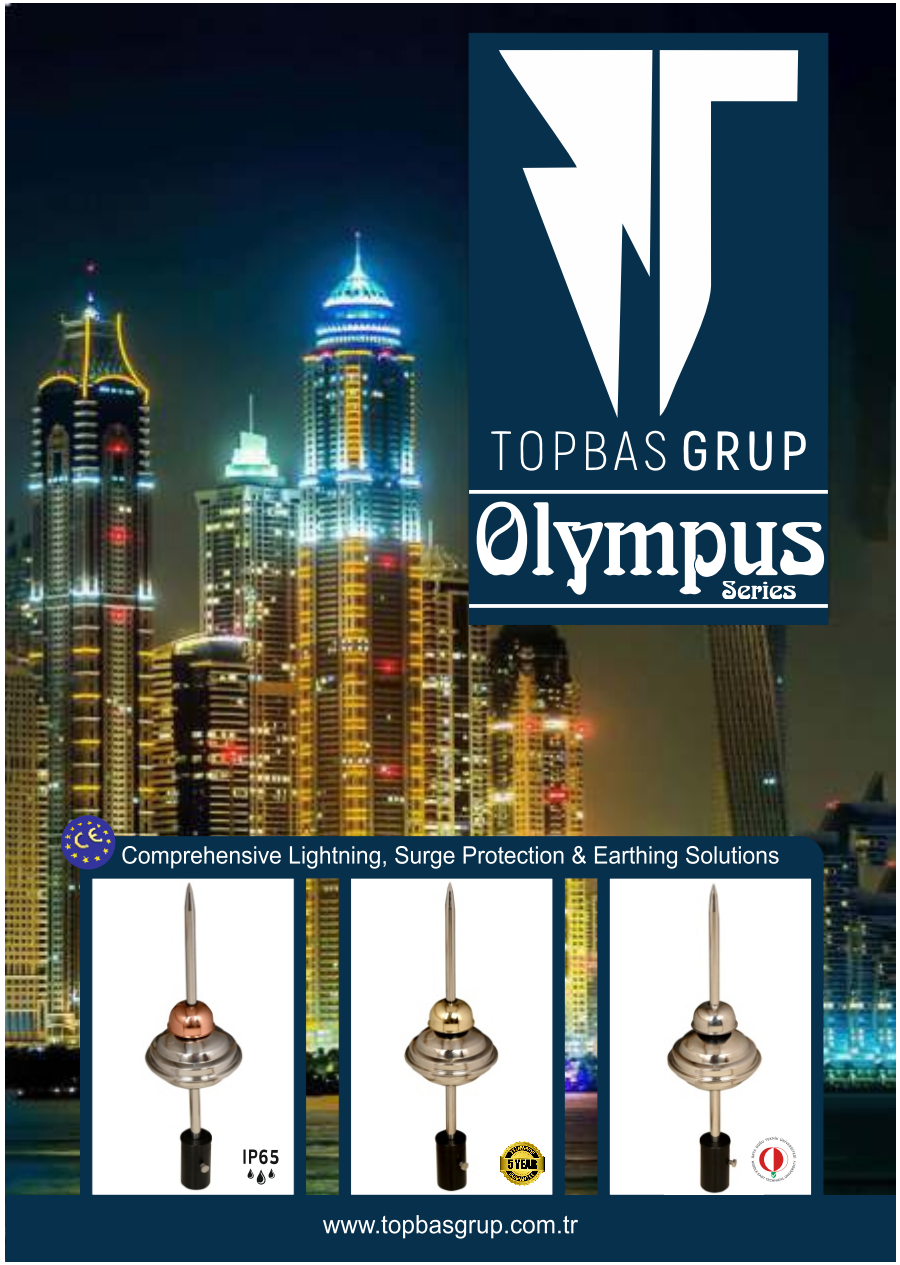
info@topbasgrup.com.tr



TOPBAS GRUP

Olympus Series

Comprehensive Lightning, Surge Protection & Earthing Solutions

www.topbasgrup.com.tr

Protection Performance

The protection radius (R_p) of a Topbas Grup terminal is calculated using the formula as defined in NF C 17-102 (September 2011), namely:

(1) $Rp(h) = \sqrt{2rh - h^2 + \Delta(2r + \Delta)}$ **for h ≥ 5 m**

and

(2) $Rp = h \times Rp_5 / 5$ **for 2 ≤ h < 5 m**

where **h** = Topbas Grup height relative to the area being protected (m)

Rp_5 = value of Rp from Eqn. (2) when h = 5 m

r = 20 m for protection level I (Very High protection)
30 m for protection level II (High protection)
45 m for protection level III (Medium protection)
60 m for protection level IV (Standard protection)

and Δ = Topbas Grup time and height advantage according to the Topbas Grup model installed:

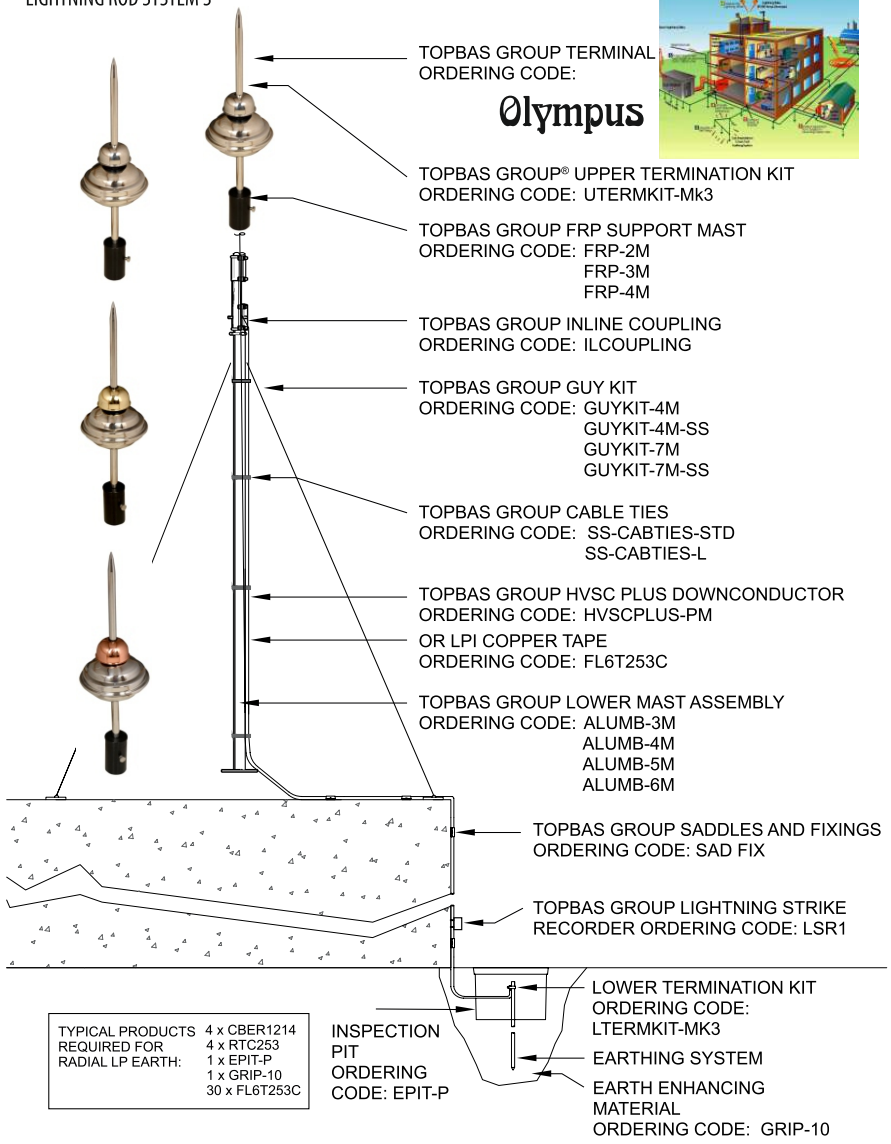
	LV1					LV2					LV3					LV4				
H (m)	**3**	**4**	**5**	**10**	**15**	**3**	**4**	**5**	**10**	**15**	**3**	**4**	**5**	**10**	**15**	**3**	**4**	**5**	**10**	**15**
Olympus Ese 15	19	25	**28**	29	29	22	30	**37**	38	38	27	36	**45**	45	45	39	52	**64**	65	65
Olympus Ese 20	24	34	**37**	38	38	33	44	**55**	56	56	38	51	**63**	64	64	43	57	**79**	79	79
Olympus Ese 30	47	62	**74**	75	75	52	69	**86**	87	87	69	86	**97**	98	98	85	96	**107**	109	109
Olympus Ese 50	76	80	**90**	91	91	87	97	**103**	105	105	97	111	**114**	115	115	97	113	**125**	126	126
Olympus Ese 60	85	95	**107**	108	108	90	107	**119**	120	120	109	121	**130**	131	131	118	129	**140**	142	142

Description	Testable Lightning Strike Counter
Display Model	Electromechanical display (non re-settable)
Current Tested (10/350 µs)	100 KA
Current Sample Mode	Inductive Probe (Built-in)
Indicator	6 digits
Operating temperature (ºC)	-20 ~ +85
Enclosure material	Plastic
Degree of protection	IP 67 (IEC 529)
Dimension of counter (cm)	16 (L) x 9 (W) x 6 (H)

Topbas® Lightning Rod Test Device

- Suitable for all devices
- Internal battery
- Patented product
- Tests up to 500+

Topbas Lightning Srike Counter Tester

- Suitable for all devices
- Internal battery
- Patented product
- Tests up to 500+

Olympus Series
LIGHTNING ROD SYSTEM'S