

PREVECTRON 3® S60 CONNECT

EARLY STREAMER EMISSION AIR TERMINAL (ESE)

IoT CONNECTED

Reference		P1543C
Prevectron 3® Early Streamer Emission Technical Specifications		
Efficiency	ΔT	60 μs
Standard deviation ESE / Single Rod	σ	$\sigma_{PDA} < 0.44 \sigma_{PTS}$
Lightning current withstanding test (10/350 μs)	I_{imp}	100kA (normative test)
Max. current withstanding test	I_{max}	230 kA (Unicamp)
Detection of downward leader		Continuous measuring of electric field gradient ($\Delta E/\Delta t$)
Upward streamer development conditions		Patented OPTIMAX® technology optimizing the streamer development conditions
Upward streamer emission		Sparking by High Voltage Impulses
Internal circuits		6 independent and synchronised modules
Central rod		Full electrical continuity 200mm ² section – Nickel plated Copper
Metal housing		Stainless Steel 316, Electromagnetic shielding
Maintenance		Replaceable modules (factory)

Prevectron 3® Connect Module Technical Specifications	
Prevectron®3 Connect remote information	via www.indelec-connect.com : -ESE Lightning rod status -battery level -GSM signal quality
Communication	GSM/GPRS Quad-Band compatible 2G and above
Power Supply	High Performance LiFePo ₄ Battery 3 200mA.h – 3.2V
Battery Charge	Monocrystalline Glass-coated Solar panel
Lightning Strike Counter	Integrated Type 1 Lightning Strike Counter Patented contactless counting technology $I_{imp \min} = 2kA$ $I_{imp \max} = 100kA$
Module central rod	Full electrical continuity 200mm ² section – Nickel plated Copper
Module / Prevectron®3 connection	Fast Connect Technology Plug-in system
Maintenance	Battery Replacement Kit ref. P1599

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Modular design



CONNECT MODULE



DOC285a.VEN-Rev0



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www.indelec.com



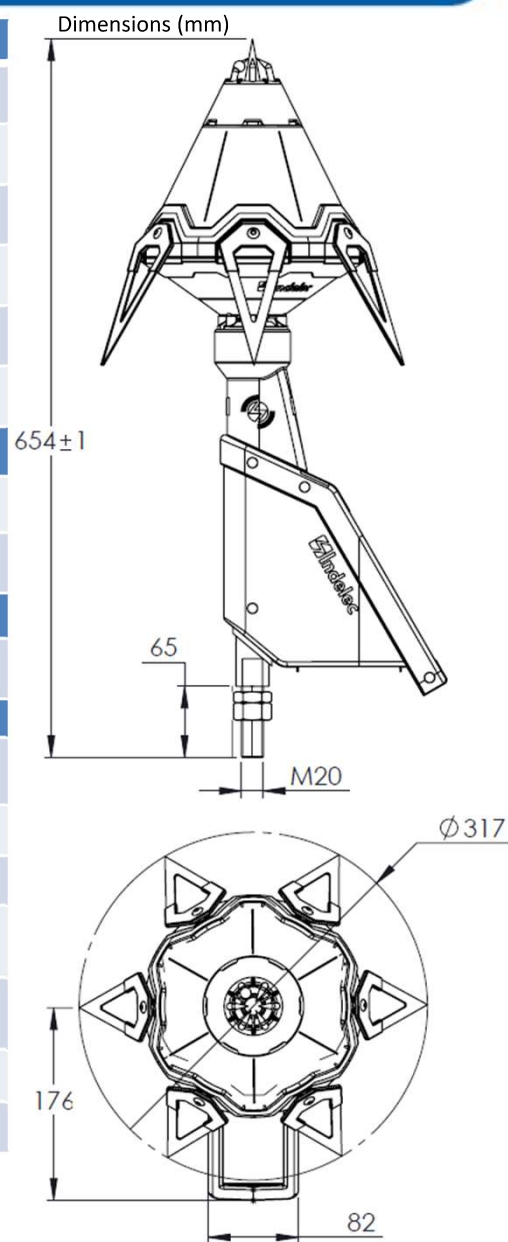
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Operating Temperature range	-15°C to + 55°C
Relative Humidity	0% HR to 100% HR
Max. Operating Altitude	4000 m HASL (Height Above Sea Level)
Ingress Protection	IP 54
Fixing on pole	M20 Thread
Down-conductor clamp	Proprietary clamp included
Packing	
Dimensions	485 x 260 x 429 mm
Gross Weight	8.650 kg
Warranty	
Warranty (excluding battery)	5 years
Certifications - Standard	
Prevectron®3 Lightning Rod	NF C 17 102:2011, Annexe C Bureau Veritas Certificate N°6275241/2/1/1
Lightning Strike Counter	NF EN 62 561-6:2018 Edition 2
Qualifoudre	Ineris Certificate N° N°051166662001
CE Marking	Attestation N°IND-CE-21092015-A (Prevectron 3) Attestation N°IND-CE-16122020 (Module Connect)
Underwriter Laboratories (UL)	UL Certified E478687 (Prevectron®3 Lightning rod)
Eco Label	Certificate AFAQ N°1335.2 11/2014
ISO 9001 : 2015	Bureau Veritas Certificate



Installation and user guide
ref. C4207

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