

EARTHING & LIGHTNING



EARTHING

GENERAL INTRODUCTION



REMEDIES[®]



Multiple Point



Air Terminal Rod



Air Rod Base



Square Tape/Conductor
Clamp



Copper Tapes/Conductors



Bonds



Conductor Jointing
Clamps



Test Clamps



Earth Inspection Pit



Earth Electrodes



Earth Lattice Copper



Earth Plate Solid Copper



DC Tape Clip



G Clamp

REMEDIES EARTHING SYSTEMS PVT. LTD.

ABOUT US

REMEDIES EARTHING SYSTEMS PRIVATE LIMITED (RESPL) is an ISO 9001 : 2015 Certified Company, established in the year 2006 with its Corporate Office at Lucknow, INDIA. RESPL is a manufacturer, exporter, importer, supplier & trader of a wide range of Earthing, Lightning & Bonding products. We RESPL are the India's first ESE Lightning Arrester manufacturing Company according to the NF C 17-102 : 2011 Standard. We consider Make in India as priority for our manufactured products. RESPL has developed a full range of earthing & lightning products to safe guard assets & secures infrastructure from earthing & lightning hazards. All our products are exclusively engineered by highly qualified and skilled professionals using modern equipments and advanced technology to ensure superior functionality. We are using materials that are genuine and highly reliable acquired from the reputed clientele in the industry.

WHY CHOOSE US?

STANDARD OF EXCELLENCE | TESTED & CERTIFIED PRODUCTS |
COST EFFECTIVE | CUSTOMER FOCUS | COMMITMENT TO
ACCURACY | EASY TO CUSTOMIZE | UNIQUE DESIGNS.

OUR REACH

We are proud to have a clientele across the Globe, which includes:
INDIAN SUB-CONTINENT | NORTH AFRICA | EAST ASIA | MIDDLE
EAST | SOUTH/WEST EUROPE | NORTH AMERICA

OUR PRODUCT RANGE

- GI EARTHING ELECTRODE
- COPPER BONDED EARTHING ELECTRODE
- PURE COPPER EARTHING ELECTRODE
- MOBILE EARTHING ELECTRODE
- ELECTROLYTIC EARTHING ELECTRODE
- COPPER BONDED EARTH ROD
- 4G COPPER BONDED EARTH ROD
- PURE COPPER EARTH ROD
- THREADED EARTH ROD (COPPER /COPPER BONDED)
- SOLAR EARTHING KIT
- SUPER EARTHING KIT
- REMEDIES EARTHING BACKFILL COMPOUND
- REMEDIES EARTH ENHANCEMENT GEL
- EARTH PIT CHAMBER
- ESE LIGHTNING ARRESTER
- LIGHTNING STRIKE COUNTER
- LIGHTNING CONDUCTOR TESTER
- CONVENTIONAL LIGHTNING ARRESTER
- SURGE PROTECTION DEVICE (SPD)
- ACDB & DCDB BOX
- EXOTHERMIC WELDING KITING
- EARTHING & LIGHTNING ACCESSORIES

OUR PRODUCTION FACILITY:

Remedies Earthing Systems Pvt. Ltd." invests heavily in R&D initiatives, encouraging innovation in key Industrial areas such as sustainable manufacturing, clean energy, efficient and integrated transport, health and wellbeing, materials and resources efficiency and security.



FACTORY



GROUNDING/EARTHING SOLUTIONS

In today's competitive environment one of the most important investment an organization makes is in infrastructure and sensitive electronic & electrical equipment. As the organization grows multi-fold its investment in infrastructure expansion & also the equipment & assets becomes more and more endangered and electrically susceptible, the need for an exceptionally low-resistance/low-impedance earthing systems are more influential. It is in response to this requirement that REMEDIES EARTHING SYSTEMS PRIVATE LIMITED (RESPL) has developed a full range of earthing & lightning products and services to safe guard your assets & secures your infrastructure from Lightning hazard.

Grounding or Earthing as the words suggest, in the connection of any object to earth, and the most important safety precaution from electrical shocks and fires. REMEDIES EARTHING SYSTEMS PRIVATE LIMITED (RESPL) provides the following range of products to enhance the effectiveness of grounding systems which improves the level of safety.

1. GI EARTHING ELECTRODE (STRIP IN PIPE /PIPE IN PIPE)

MODEL	LENGTH (MTR)	TERMINAL SIZE (MM)	INNER STRIP	INNER PIPE DIA (MM)	COMPOUND C.C.M.
RESPL-G40	1, 2&3	32X6	25X3	25	Filled
RESPL-G50	1, 2&3	40X6	25X3	25	Filled
RESPL-G80	1, 2&3	50X6	25X3	40	Filled

- HOT DIP GALVANIZED FOR CORROSION PROTECTION.
- DESIGN FOR FAST FAULT CURRENT DISSIPATION.
- LOW MAINTENANCE EARTHING SYSTEM.
- EASY & FAST INSTALLATION ON SITE.
- BETTER LIFE.
- CPRI TESTED.

2. COPPER BONDED EARTHING ELECTRODE

- COPPER BONDED ELECTRODE MADE BY MOLECULARLY BONDING 99.9% PURE ELECTROLYTIC COPPER LOW CARBON MILD STEEL CORE.
- LONG LIFE.
- BETTER RESISTANCE TO CORROSION.
- VERY HIGH ELECTRICAL CONDUCTIVITY.
- CPRI TESTED.

MODEL	LENGTH (MTR)	TERMINAL SIZE mm	COMPOUND C.C.M.
RESPL-CBE40	1, 2&3	32X6	Filled
RESPL-CBE50	1, 2&3	40X6	Filled
RESPL-CBE75	1, 2&3	50X6	Filled

3. PURE COPPER EARTHING ELECTRODE

MODEL	LENGTH (MTR)	TERMINAL SIZE (MM)	COMPOUND C.C.M.
RESPL-Cu40	1, 2&3	32X5	Filled
RESPL-Cu50	1, 2&3	40X5	Filled
RESPL-Cu75	1, 2&3	50X6	Filled

- 99.9% PURE COPPER.
- DESIGN FOR FAST FAULT CURRENT DISSIPATION.
- LOW MAINTENANCE ON SITE.
- EASY & FAST INSTALLATION ON SITE.
- LONG LIFE.
- CPRI TESTED.

4. COPPER BONDED EARTH ROD

- COPPER BONDED EARTH RODS PROBABLY OFFER TO THE INSTALLER THE BEST AND MOST ECONOMICAL EARTH RODS AVAILABLE. THEY ARE MADE BY MOLECULARLY BONDING 99.9% PURE ELECTROLYTIC COPPER LOW CARBON STEEL CORE.
- ECONOMICAL AND EFFICIENT EARTH ROD GROUNDING SYSTEM.
- BETTER RESISTANCE TO CORROSION.
- SUITABLE FOR EVERY SOIL CONDITION.
- EXCELLENT ELECTRICAL CONDUCTIVITY.
- MAINTENANCE FREE SYSTEM.
- UL LISTED.
- CPRI TESTED.

MODEL	LENGTH (MTR)	ROD DIA (MM)
RESPL-CBR14	1, 2&3	14
RESPL-CBR16	1, 2&3	16
RESPL-CBR17	1, 2&3	17
RESPL-CBR19	1, 2&3	19
RESPL-CBR25	1, 2&3	25

5. ELECTROLYTIC EARTHING ELECTRODE

MODEL	LENGTH (MTR)	ROD DIA (MM)
RESPL-GEEE50	1, 2&3	50
RESPL-CBEEE50	1, 2&3	50
RESPL-CuEEE50	1, 2&3	50

- ENHANCE THE PERFORMANCE OF YOUR ELECTRONICS
- PROVIDES ULTRA-LOW RESISTANCE TO EARTH
- MAINTENANCE FREE EARTHING SYSTEM.
- NO DEPENDENCY ON GROUND MOISTURE
- REDUCES THE RISK OF INJURIES



6. MOBILE EARTHING ELECTRODE

REMEDIES MOBILE EARTH IS THE NEW GENERATION PORTABLE EARTHING DEVICE, WHICH CAN BE USED BY ANY MOBILE EQUIPMENT. MOBILE EARTHING ELECTRODES PROTECTS SENSITIVE, EQUIPMENTS BY SAFELY CONDUCTING HARMFUL VHF, HARMONICS, SURGES, SPIKES UNBALANCES AND SHORT CIRCUIT IN TO GROUNDINGS.

- NON CORROSIVE IN NATURE
- EXCELLENT RESISTANCE AGAINST HIGH TEMPERATURE
- SUPERIOR FINISH
- EASY INSTALLATION
- REUSABLE UPTO 72 TIMES.

MODEL	LENGTH (MTR)	ROD DIA (MM)
RESPL-MOBI65	1.2	65

*The size & nos. of Earthing Electrode should be recommended by your electrical Consultant, Engineers & Contractors, depending on your infrastructure requirement. Ohmic value depends upon the soil & site conditions where ever it has to be used.

7. EARTH ENHANCEMENT COMPOUND

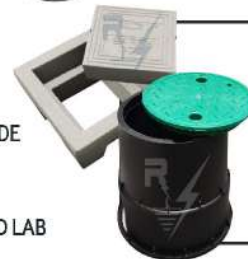
MODEL	WEIGHT (KG)
REMEDIES-ERIC10	10
REMEDIES-ERIC25	25
REMEDIES-ERICULTRA15	15
EZEE-BFC25	25



- AS PER IEEE STANDARD
- ARTIFICIAL TREATMENT COMPOUND.
- REDUCES RESISTANCE TO EARTH.
- HIGH CORROSION RESISTANCE-ENHANCE THE LIFE OF EARTH ELECTRODE
- LOW EXPANSION FACTOR.
- ENVIRONMENTAL FRIENDLY.
- ROHS, RESISTIVITY & THERMAL ALL TESTED DONE BY NABL ACCREDITED LAB

8. EARTH PIT CHAMBER

- ENVIRONMENTAL FRIENDLY RUST PROOF, HEAVY DUTY WEATHER PROOF POLY PLASTIC EARTH PIT CHAMBER.
- CONCRETE INSPECTION PITS ARE LOAD RATED TO 5000KG AND ARE SUITABLE FOR MOST TYPES OF EARTHING AND LIGHTNING PROTECTION INSTALLATIONS.



MODEL	MATERIAL
RESPL-EPCPP	POLY PLASTIC
RESPL-EPCC	CONCRETE

9. SURGE PROTECTION DEVICE (SPD)

MODEL	MATERIAL
RESPL-SPD	POLY PLASTIC



SURGE PROTECTION DEVICES PROTECT AGAINST DAMAGING ELECTRICAL SURGE ON POWER AND COMMUNICATIONS LINES CAUSED BY LIGHTNING, INDUSTRIAL MACHINERY AND OTHER SWITCHING EVENTS.

10. EXOTHERMIC WELDING KIT

- Permanent Joints
- Corrosion Free
- Low Milli-Volt Drop
- Higher Current Capacity
- Mobile & Easy to Use
- Welding in Few Seconds
- IEEE 837 Compliant
- UL Listed



CONVENTIONAL LIGHTNING PROTECTION SYSTEM

(AS PER IEC 62305 STANDARD)

A Spike Lightning Protection Rod is a single component in a spike lightning protection system. To protect a home or building in the event of lightning, a metal conductor is mounted on the top of the building and electrically connected to the earth through a wire which is known as conventional lightning rod (lightning conductor) or spike arrester.

Availability

Spike Material : Copper/Copper Bonded/Aluminium/SS/GI/Brass

Base Material : Copper/Copper Bonded/Aluminium/SS/GI/Concrete
Brass/Polypropylene



COPPER BONDED
LIGHTNING ARRESTER

INSULATED BASE

METAL BASE

LIGHTNING ARRESTER TESTER

With Tester, you are able to determine if there is a short circuit or a fault in the ion generator immediately by simply screwing the special plug at the end of the cable to the ESE rod and pressing the button on the testing device. We are able to make the cable length on the testing device according to the customer's requirements.

LIGHTNING COUNTER TESTER

The Lightning Counter can be checked by this Tester every time.
The Tester will Indicate ok or Fault with the help of red or green LED,



WHY CHOOSE REMEDIES ESE LIGHTNING ARRESTER ?

Remedies Earthing Systems Pvt. Ltd. has established itself as India's first manufacturer to meet European standards in lightning protection system. Our state-of-the-art **lightning arresters** have undergone rigorous testing and certification by the esteemed ITE laboratory in Europe, compliant with **ILAC/ENAC** regulations. A key feature of our lightning arresters is the **integrated ion generator, housed within an advanced electronic electrostatic circuit**. This system is designed to automatically activate in response to atmospheric changes, ensuring the safe capture and grounding of lightning. To further guarantee its performance, Remedies offers a specially developed tester that allows you to verify the proper functioning of the ion generator, which is critical to the lightning arrester's operation. In addition to technological innovation, RESPL is committed to using high-quality materials. Our lightning arresters are manufactured with **SS 304L** and **SS 316L** stainless steel, which significantly enhances their all-weather durability, particularly in coastal areas where environmental conditions are most challenging. RESPL is dedicated to advancing safety standards in India and beyond, offering a comprehensive range of lightning protection solutions that meet and exceed global benchmarks.

REMEDIES ESE LIGHTNING ARRESTERS

The main function of ESE Lightning protection system installed on the existing buildings is to capture a lightning stroke and then conduct discharge current safely to the ground. In some conditions, however the ESE lightning system is the only possible method to protect from direct lightning strokes. Due to the arguments mentioned above, we recommend to use the active lightning protection whenever the conventional solution is inconvenient or when the former is preferable to the latter as in the case of the efficient protection of architectures & electrical system.

The lightning discharge is initiated by so called down conductor which creates an ionized air path (downwards or upwards) between the cloud and the ground for the necessary flow of any lightning currents.

Rp (m)	THUNDERSTROKE/ REMEDIES RELA $\Delta T: 30\mu s$			
h (m)	Level I	Level II	Level III	Level IV
5	48	55	63	72

Rp (m)	THUNDERSTROKE/ REMEDIES RELA $\Delta T: 60\mu s$			
h (m)	Level I	Level II	Level III	Level IV
5	79	87	97	107

* Where Δt is advanced triggering time in micro seconds.

* Higher the value Δt value, larger will be the protection radius.



THE LIGHTNING PROTECTION SYSTEMS HAS FOUR BASIC OBJECTIVES

1. To capture the lightning.
2. To conduct lightning current safely to earth.
3. To dissipate the lightning current in the ground.
4. To provide protection against the secondary effects of lightning.

The external protection system are used for this purpose and there are 3 major types. These major 3 types are:

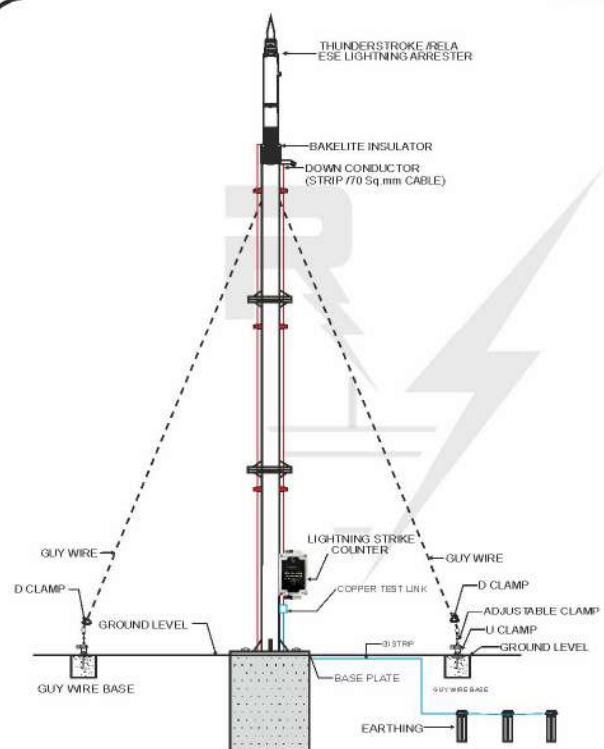
1. ESE Lightning Protection Systems
2. Faraday Cage Systems
3. Franklin Rod Systems

Tested & Certified

Thunderstroke / Rela ESE Lightning Arrester tested from the ITE HV laboratory in Europe, which has national (ENAC) and international (ILAC/ISO IEC) accreditation & CPRI tested.



TECHNICAL DRAWING OF ESE LIGHTNING ARRESTER



WORKING PRINCIPLE OF ESE LIGHTNING ARRESTER

THUNDERSTROKE PROTECTOR/RELA is an Early Streamer Emission (ESE) air terminal based on the electrical characteristics of lightning formation. The ESE air terminal emits a continuous upward leader with time of advance to anticipate the descent of lightning and capture it before any other object within its protection area. This feature is referred to in the regulations as the advance time of an ESE terminal (ΔT). The earlier the upward leader is triggered, the larger is the distance where the downward leader is intercepted, thus protecting a greater area against lightning (standard limit it to $\Delta T 60\mu S$).

THUNDERSTROKE PROTECTOR/RELA ESE terminal offer the highest performance guarantees. It is manufactured in India consisting world class technological system and it is highly competent device.

In a world where buildings and equipments are becoming more complex every day, lightning is a constant hazard. One discharge can damage buildings and cause failures in electronic equipments. It can even provoke fire and lead to serious financial losses.

RADIUS OF PROTECTION (RP)

The radius of protection is the distance between the point where you want to place the rod and the further point from the structure or building we want to protect for calculating the radius of protection. It is very important to get the triggering advance time value of the device.

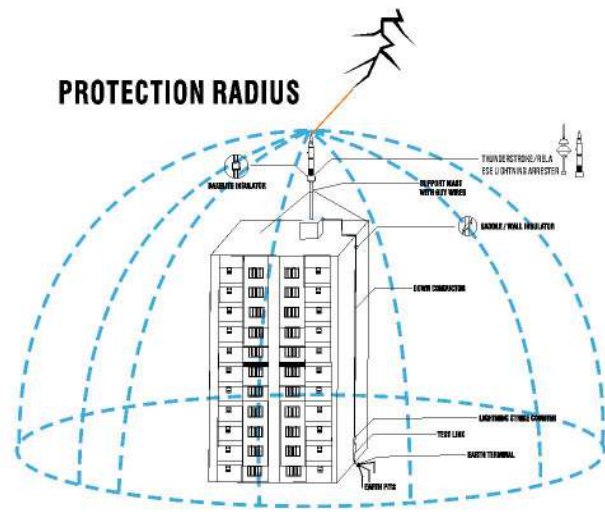
TRIGGERING ADVANCE TIME (ΔT)

The triggering advance time is defined as the difference in triggering time of an early streamer lightning rod and a simple Franklin rod. It is obtained when both rod exposed in the same atmospheric and electrical condition.

CALCULATION FOR RADIUS OF PROTECTION

$$R_p = \sqrt{h(2D-h) + \Delta L(2D+\Delta L)} \text{ for } > 6m.$$

R_p	:	ESE protected radius
h	:	Height of Protector tip above the area to be protected.
D	:	Triggering distance defined by NFC 17-102, $D(m) = 10.0^{2/3}$ that is 20 meter at Level 1 (99% protection) 30 meter at Level 2 (97% protection) 45 meter at Level 3 (94% protection) 60 meter at Level 4 (92% protection)
ΔL	:	upward leader length gain $\Delta L(m) = V_{(m/\mu S)} \times \Delta T_{(m/\mu S)}$
ΔT	:	triggering advance



SALIENT FEATURES

- THUNDERSTROKE/RELA is an ESE type of 'ESE' lightning arrester that provides zonal protection in accordance with standard NF C 17-102 : 2011.
- THUNDERSTROKE/RELA is a sturdy robust device made of 304L stainless steel.
- It is protected against corrosion and needs no maintenance.
- Testable Device.
- Electronic Device.
- Inside Ion Generator.
- Needs no external power source.
- Compact and easy to install.
- Warrantee for 10 years.
- Tested and certified by ITE HV Laboratory in Europe & CPRI (India)

APPLICATIONS

- Renewable Energy - Solar Industry
- Large multistoried /high rise residential complexes and housing colonies. A single Protector can cover several blocks.
- Large multistoried /high rise office complexes, multiplexes, shopping malls, etc.
- Modern buildings housing IT office, BPO's and concentration of sensitive electronic and/or telecom equipments.
- Factories having PLC based controls for critical plant and machinery.
- Hospitals, Banks, Cinema Halls, Museums, Old Monuments, Schools etc.



WITHSTAND CURRENT TEST

REMEDIES LIGHTNING STRIKE COUNTER

REMEDIES LIGHTNING STRIKE COUNTER RLSC-06 ANALOG 1-1kA, IP-67

Developed a robust lightning event counter, 6 digits non resettable electro mechanical display counter with the testing jack. The device is designed to count and record the lightning strikes captured by lightning protection systems such as ESE lightning rods, simple capturing rods and the cage method.

- Precise Strike Counting
- High sensitivity with a lightning current trigger threshold as low as 1 kA
- 6-bit count display, up to 99,999 records
- Extended lifespan due to no battery requirement
- Simple to install and operate & zero maintenance
- Compatible with all types of lightning protection devices and systems



REMEDIES DIGITAL LIGHTNING STRIKE COUNTER RD-LSC/500A-100kA MINI - TYPE (BUILT-IN BATTERY)

The RD-LSC/500A-100kA is an advanced lightning strike counter that uses electromagnetic induction to accurately record lightning events. This compact and durable device is suitable for both indoor and outdoor installations.

- Integrated surge current detector for easy installation
- High sensitivity with a lightning current trigger threshold as low as 1 kA
- 5-bit count display, up to 99,999 records
- Built-in battery with maintenance-free design
- Waterproof (IP65) with high-quality engineering plastic shell
- Compliant with IEC 62561-6 and NFEN 62561-6 standards



REMEDIES DIGITAL TIME LIGHTNING STRIKE COUNTER RDT-LSC/500A-100kA INTERNAL ELECTRIC

The RDT-LSC/500A-100kA is a precise and reliable lightning strike counter using electromagnetic induction to record lightning events. It is suitable for both indoor and outdoor use with a built-in battery for long-lasting operation. The counter is capable of displaying the date and time of each recorded lightning strike, ensuring accurate event logging.

- Integrated surge current detector for easy installation
- High sensitivity with a lightning current trigger threshold as low as 1 kA
- 6-bit count display, up to 99,999 records
- Built-in battery with maintenance-free design
- Waterproof (IP65) with high-quality engineering plastic shell
- Compliant with IEC 62561-6 and NFEN 62561-6 standards



REMEDIES SURGE PROTECTION DEVICES (SPD)

REMEDIES SURGE PROTECTION DEVICE

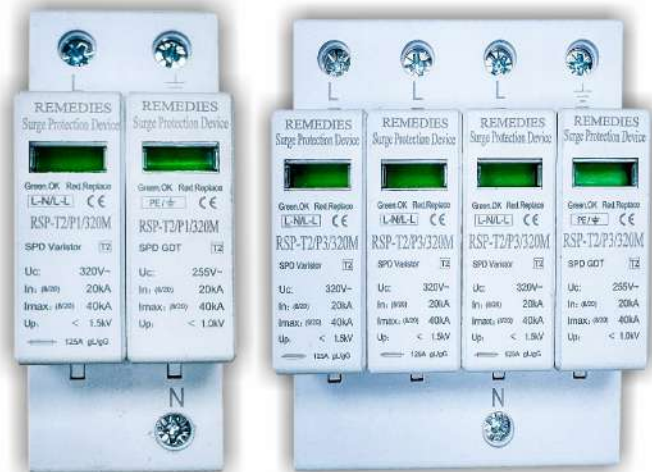
RSP-T2/P1/320M

The **REMEDIES Surge Protection Device (SPD)**, model **RSP-T2/P1/320M**, is designed to protect electrical systems from transient overvoltages, ensuring the safety and longevity of your equipment.

REMEDIES SURGE PROTECTION DEVICE

RSP-T2/P3/320M

The **REMEDIES Surge Protection Device (SPD)**, model **RSP-T2/P3/320M**, is designed to protect electrical systems from transient overvoltages, ensuring the safety and longevity of your equipment.



RSP-T2/P1/320M

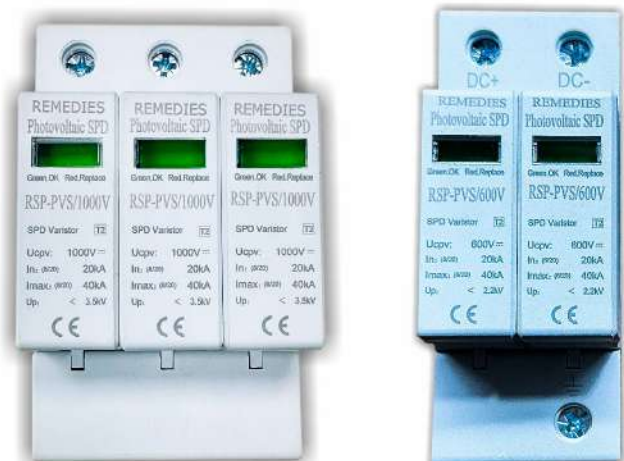
RSP-T2/P3/320M

REMEDIES PHOTOVOLTAIC SURGE PROTECTION DEVICE RSP-PVS/1000V

The **REMEDIES Photovoltaic SPD**, model **RSP-PVS/1000V**, is designed for solar applications, providing Type 2 protection against transient overvoltages.

REMEDIES PHOTOVOLTAIC SURGE PROTECTION DEVICE RSP-PVS/600V

The **REMEDIES Photovoltaic SPD**, model **RSP-PVS/600V**, is designed for solar applications, providing Type 2 protection against transient overvoltages.



Photovoltaic SPD - RSP-PVS/1000V

Photovoltaic SPD - RSP-PVS/600V

REMEDIES SURGE PROTECTION

RSP-RJ45/8

The **RSP-RJ45/8** is a high-performance surge protector for Ethernet and network cables. It protects against transient overvoltages caused by lightning, power surges, and electrical disturbances.

REMEDIES SURGE PROTECTION

RSP-LP10/275 LED SPD

The **RSP-LP10/275** is a robust and reliable LED surge protection device designed to safeguard LED lighting systems from transient overvoltages.



REMEDIES RSP-RJ45/8



REMEDIES RSP-LP10/275 LED

CONFORMED & TESTED AS PER

14.2mm

IEC 6256-2,7

17.2mm

IEC 62305 & IEC 60364 - 5 - 54

20mm

IS 3043

25mm

UL LISTED*

CPRI TESTED

APPLICABLE FOR SELECTED PRODUCTS



➤ COPPER BONDED EARTH RODS

Model	Diameter D (mm)	Length (mm)		
		1000	2000	3000
RESPL-CBR141	14.2	✓		
RESPL-CBR142	14.2		✓	
RESPL-CBR143	14.2			✓
RESPL-CBR171	17.2	✓		
RESPL-CBR172	17.2		✓	
RESPL-CBR173	17.2			✓
RESPL-CBR203	20			✓
RESPLCBR253	25			✓



*Available in SS/Solid Copper/GI/Copper Bonded.
Threaded/Non-Threaded

➤ UNIVERSAL CLAMP



Model	Article Type	Rod Diameter (mm)			
		14.2	17.2	20	25
RESPL-UC14	14.25	✓			
RESPL-UC17	17.25		✓		
RESPL-UC20	20.25			✓	
RESPL-UC25	25.25				✓

*Available in SS/Copper/GI/Copper Bonded/Brass

➤ STRAIGHT CONNECTOR

Model	Nominal size Ø mm
RESPL-STC8	8
RESPL-STC10	10



*Available in SS/Alu/Brass

➤ EXPANSION PIECE

Model	Nominal size Ø mm
RESPL-EP8	8/10



*Available in SS/Alu/Copper

➤ EARTH KIT FOR DOMESTIC APPLICATION

Model	Description
RESPL-DE-14	14.2mm dia. 1.25mtr, 250 micron copper coated rod with 5 kg earth enhancing compound and connecting clamp
RESPL-DE-17	17.2mm dia. 1.25mtr, 250 micron copper coated rod with 7 kg earth enhancing compound and connecting clamp



*Available in SS/Solid Copper/GI/Copper Bonded.
Threaded/Non-Threaded

➤ ROUND CONDUCTOR, COPPER BONDED

Model	Nominal size Ø mm	Diameter D (mm)	
		8	10
RESPL-RCCB8	8	✓	
RESPL-RCCB10	10		✓



*Available Length 100 meter

➤ ROUND CONDUCTOR, ALUMINIUM

Model	Nominal size Ø mm	Cross-section mm²
RESPL-RCALU8	8	50
RESPL-RCALU10	10	78



*Available Length 100 meter

➤ ROUND CONDUCTOR, COPPER

Model	Nominal size Ø mm	Cross-section mm²
RESPL-RCCU8	8	50
RESPL-RCCU10	10	78



*Available Length 100 meter

➤ EARTH INSPECTION CHAMBER

Model	Article Type
RESPL-EPCPP	POLY PLASTIC
RESPL-EPCC	CONCRETE



*Available in all Size (as per requirement)

➤ TEST JOINT WITH ENCLOSURE

Model	Size mm
RESPL-TJE	Ø8-10/20x3-30x4



➤ TAPERED PIPE AIR-TERMINATION ROD

Model	Length mm	Nominal size Ø mm
RESPL-TPAT15	1500	10/16
RESPL-TPAT20	2000	10/16
RESPL-TPAT30	3000	10/16
RESPL-TPAT40	4000	10/16



*Available in all Size (as per requirement)

➤ CROSS-CONNECTOR

FOR FLAT CONDUCTORS AND ROUND CONDUCTORS

Model	Size mm	Short-circuit current (50 Hz) (1 s; ≤ 300°C) kA
RESPL-CC8-10	RC8-10/FL30	5.6



*Available in SS/Copper/GI/Copper Bonded/Brass

➤ MUTUAL MOUNT CLAMP

Model	Size mm
RESPL-MMC	FL30x3-4mm/ RC 10xRC 16-37



*Available in SS/Copper/GI/Copper Bonded/Brass

➤ CONDUCTOR HOLDER FOR METAL ROOF CLIPPED STANDING SEAM FOR FLAT CONDUCTOR

Model	Size mm	Dimension B mm
RESPL-CH60	Max. FL30	60



*Available in SS/Copper/GI/Alu/Copper Bonded/Brass

➤ CROSS-CONNECTOR WITH INTERMEDIATE PLATE

Model	Size mm
RESPL-CCIP8-10	RC 8-10
RESPL-CCR	8-10 X FL30



*Available in SS/Copper/GI/Alu/Copper Bonded/Brass

➤ CROSS-CONNECTOR FOR FLAT CONDUCTOR

Model	Dimension A mm
RESPL-CCF	52



*Available in SS/Copper/GI/Alu/Copper Bonded/Brass

➤ FANGFIX FOR AIR-TERMINAL 16KG

Model	Size mm	Nominal size Ø mm
RESPL-F-FIX16	RC 8	373



*Available in all Size (as per requirement)

➤ VERTICAL AIR TERMINAL WITH ACCESSORIES ON WALL

Model	Dimension	
	H mm	DØmm
RESPL-VAT	1000/2000/ 3000/4000	16/20

*Available in SS/GI



➤ EARTH STUD

Model	Length mm	Nominal size Ø mm
RESPL-ES	210mm	Contact Plate Dia: 79mm Clamping bolt: 8/10mm

*Available in SS/Copper/Alu/GI/Copper Bonded/Brass



➤ ROOF CONDUCTOR HOLDER FOR FLAT ROOFS, BLACK

Model	Size mm
RESPL-RCH	RC 8-10



➤ UNIVERSAL CROSS CONNECTOR

Model	Size mm	Dimension A mm	Short-circuit current (50 HZ) (1 s; ≤ 300°C) kA
RESPL-UCC	RC 8-10	40	5.6

*Available in SS/Copper/Alu/GI/Copper Bonded/Brass



➤ ROOF CONDUCTOR HOLDER FOR TILED, SLATED AND CORRUGATED ROOFS, RC8

Model	Size mm	Installation height mm
RESPL-RCH8	RC 8	21

*Available in SS/Copper/Alu/GI/Copper Bonded



➤ STANDING SEAM CLAMP

Model	Size mm	Clamping range mm
RESPL-SSC	8/10	14-25

*Available in SS/Copper/Alu/GI/Copper Bonded/Brass



➤ CONDUCTOR HOLDER

Model	Size mm	Installation height mm
RESPL-CH	RC 8-10	21

*Available in Plastic/Nylon



➤ FOLDING CLAMP/TESTLINK UPTO 5MM PLATE THICKNESS

Model	Size mm	Clamping range mm
RESPL-FC	RC8-10	max. 5

*Available in SS/Copper/Alu/GI/Copper Bonded/Brass



➤ CLAMPING SHOE

Model	Size mm
RESPL-CS8	RC 8
RESPL-CS10	RC 10

*Available in SS/Copper/GI/Copper Bonded/Brass



➤ BRIDGING CABLE

Model	Dimension L mm
RESPL-BC	300



➤ MULTI PURPOSE BONDING CLAMP FOR ROUND / FLAT CONDUCTOR

Model	Article Type	Material
RESPL-C14	14.2	✓
RESPL-C17	17.2	✓

*Available in SS/Copper/GI/Copper Bonded/Brass



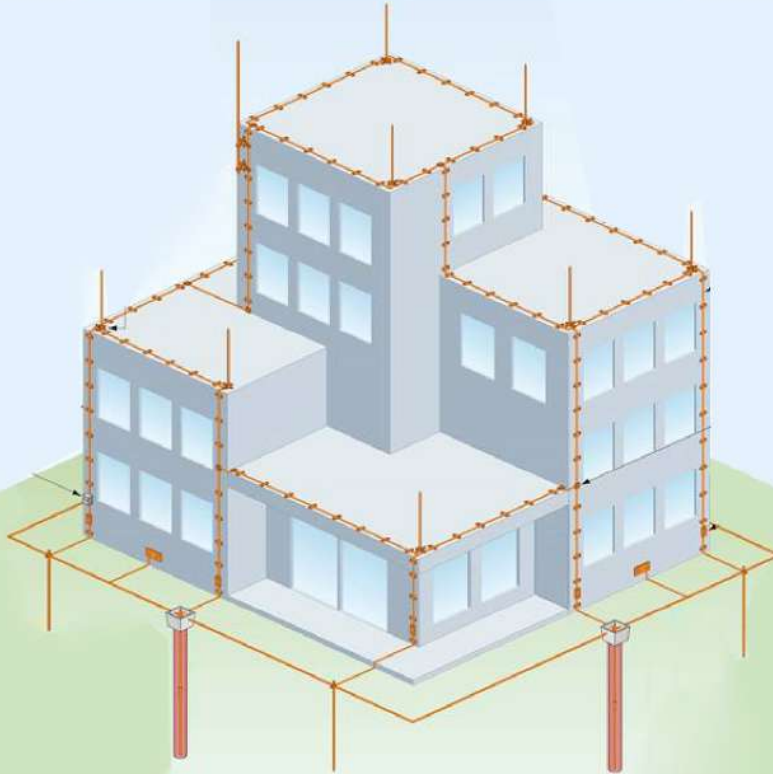
➤ AIR TERMINAL CONNECTOR CLAMP

Model	Size mm
RESPL-ATC	RC 8-10

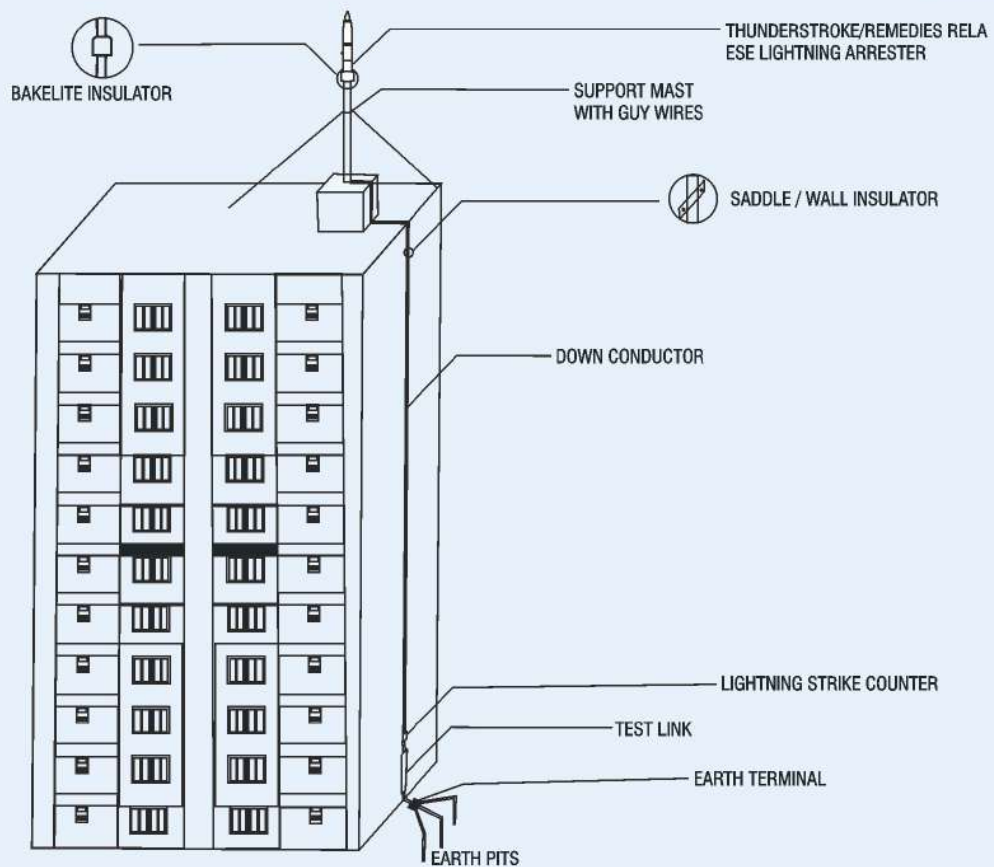
*Available in SS/Copper/GI/Copper Bonded/Brass



INSTALLATION AS PER IEC 62305 STANDARD



INSTALLATION AS PER NF C 17-102:2011 STANDARD



WHY CHOOSE SEEPA?

Reliable Earthing & Lightning Protection Solutions Across the UAE

SEEPA Group delivers compliant, dependable, and project-ready earthing and lightning protection solutions for critical electrical and infrastructure assets.

WHAT SETS US APART

- TAQA Approved Distributor
 - Strong presence across Dubai, Abu Dhabi & the Northern Emirates
 - Proven experience in industrial, utility & infrastructure projects
 - Compliance with IEC, BS, IEEE, NFC 17-102:2011 & UAE local authority standards
 - Certified, high-quality materials with expert technical support
-

OUR CORE SOLUTIONS

- Earthing & Grounding Systems
 - Lightning Protection Systems (LPS)
 - Design, Supply & Installation
 - Testing, Inspection & Technical Support
-

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