



A Digital Earthing Device with built-in Low Impedance Ground & Static Charge Eliminator Tried, Tested & Trusted



Already in use at many Government, Semi-Government & Private Sector Organisations



GERMER TECHNOLOGIES PVT LTD

ADD: F - 37, Sector 8, Noida, Uttar Pradesh- 201301

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About us

Germer is one of the fast growing company on the Indian business horizon. The company has been started by Gpt. Vijay Kumar Chaturvedi Retd. having hand-on-experience in world fame companies like IAF, Aviation and MAFI. It has products to meet demands of wide range of segments; Industrial & IT Field Companies, Mobile Shelters of Army / Defence Organizations. The Company holds expertise is integrating & providing customized field proven solutions to achieve 100% clean power.

Products Range

- a. Rota bloc RBT Rotary UPS Systems: Outstanding Voltage Conditioning with Total Power Failure Protections.
- b. Aerosol based Fire Extinguishers
- c. Water Mist fire extinguishing Module "Buran" non- pressurized canisters.
- d. Rotek Cable & Pipe Sealing Solutions.
- e. Digital Surge Suppressor with built in Low Impedance Ground & Static charge Eliminator (maintains earth – Neural Voltage Less Than 1 Volts) & grounding Impedance less than 01 Ohm.

Elite-Series DSS Elite Series: detect Surges (which enter via Electrical & Communication Lines, through Conductive Structures Like water pipe, Gas pipe line, steel structure etc.) and converts them into the heat Energy and dissipates through Low Impedance Ground

DSS provides Equip-Potential bonding to all the equipment's and improves the earth resistance.

DSS is an Integrated Equipment Protection system to provide protection to about 25 equipment's within a radius of 5 meters.

Prime -Series In addition to above DSS Prime - series has built-in facility to monitor Earth- Neutral Voltage with date and time (optional Aerosol based fire extinguisher)

Data can be accessed ONLINE or through USB.

Global series In addition to above DSS Global- series has built-in facility to monitor Earth- Neutral Voltage, Surge Intensity with date and time, show health status of the DSS and records last 500 events.

Data can be accessed ONLINE or through USB. Built in Aerosol based fire extinguisher too.

Online Monitor DSS Online Monitor records Earth- Neutral Voltage, Surge Intensity with date and time, Health of the DSS and records last 500 events. Data can be accessed ONLINE or through USB.

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Key Advantages

- a. Total Protection of Digital equipment's from Grid disturbances.
- b. Total Protection of Digital Equipment's from Lightning & Switching Surges.
- c. Provides Lowest Impedance Grounding.
- d. Static Charge Eliminator.
- e. Provides Low impedance path to Leakage Current.
- f. Reduces 2% harmonics
- g. Provides Equip-Potential common Grounding
- h. Maintain Earth to Neutral voltage less than 01Volt
- i. Enhance Battery Life
- j. Has Online monitoring facility of events.

Need of effective Lightning & Surge Protection along with Low Impedance Grounding

- Today most of electronic, communication, data systems are connected under network
- IC Chips have become highly integrated with very thin internal Circuit thus are very weak from Surge intrusion
- Global Warming results more frequent lightning, normal lightning arrestor & simple surge protector will not be able to protect the equipment's.
- Nearby Direct Lightning affects systems under GPR effect (Ground Potential Rise) which is very frequently being observed at out-door or isolated buildings or facilities.
- Maintaining of earth resistance
- Lead length of the earth wire from Surge Protection device

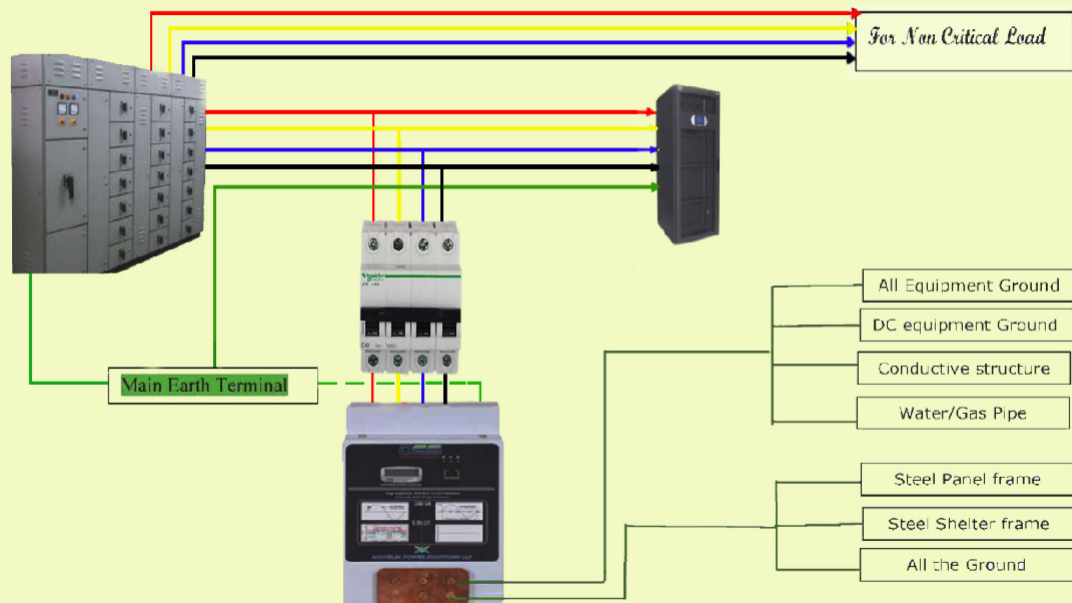
DSS provides ideal protection to all type of Digital Electronic Equipment's with its integrated Surge & Spike Protection, Common Low impedance Grounding, Equip- Potential Function and Static elimination Via Energy conversion (converting them into very low heat) function without any need of separate ground and also by creating a very low impedance path to leakage current.

DSS will provide prefect Protection Solutions for the following environment

- a. Networked, Automated, Data communication systems which require integrated Lightning Surge Protection.
- b. Rocky, mountain area which could not get low grounding resistance for systems.
- c. Mobile Tactical vehicles which have difficulties to install grounding rod.
- d. Isolate/separate systems in the field are easily exposed to GPR (Ground Potential Rise)

- e. Frequently surge damaged sites which could not find perfect protection solution.

Installation Configurations



Total Lightning Surge Protection System

Our Customer



Mfg. By
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