



Rules for Installation of DITEK TVSS

Technical White Paper
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1. "ABC RULE" – WHENEVER POSSIBLE, THE CONDUCTOR LENGTH TO EARTH GROUND SHOULD BE LESS THAN THE CONDUCTOR LENGTH FROM THE TVSS TO THE PROTECTED EQUIPMENT.
2. "PARALLEL CONNECTION RULE" – WHEN CONNECTING A PARALLEL TVSS DEVICE TO A SYSTEM (i.e. A D75 CONNECTED TO A BREAKER IN A HOUSE PANEL) THE LEADS FROM THE TVSS SHOULD BE AS SHORT AND STRAIGHT AS POSSIBLE.
3. "GROUND RESISTANCE RULE" – THE GROUND SYSTEM SHOULD HAVE A MAXIMUM RESISTANCE OF 25 OHMS. 5 OHMS, OR LESS, IS THE PREFERRED LEVEL FOR OPTIMUM PERFORMANCE OF THE TVSS. BEST BETS FOR GOOD GROUND ARE...
 - GROUNDED BUILDING STEEL.
 - ELECTRICAL SERVICE GROUND.
 - DEDICATED DRIVEN ROD.
 - LOCAL ELECTRICAL GROUND.
4. "SINGLE POINT GROUND RULE" – IN A SYSTEM WITH MULTIPLE GROUND RODS THE RODS SHOULD BE DIRECTLY CONNECTED WITH NO EQUIPMENT IN THE GROUND PATH.
5. PMI – PREVENTATIVE MAINTENANCE INSPECTIONS SHOULD BE MONTHLY AND, ADDITIONALLY, IMMEDIATELY FOLLOWING LOCAL LIGHTNING STRIKES.

