LINDSEY

LINDSEY MANUFACTURING COMPANY

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VMI INSTALLATION INSTRUCTIONS

The Lindsey Voltage Monitoring Insulator (VMI) is designed to be interchangeable with ordinary standoff insulators in either indoor or outdoor applications. It can be installed indoors or in cabinets, as a bus support in vertical or horizontal orientation. Brackets are available to mount VMI's outdoors on crossarms or existing swithgear. The VMI is not designed or intended to support conductor load and is not a replacement for a line post insulator.

We recommend Lindsey Current and Voltage Monitoring Insulators (CVMI) for conductor support applications- they are designed to replace standard line post insulators and provide current and/or voltage monitoring.

Following the instructions below will insure a safe and simple installation.

1. A 1-1/8" clearance hole is required for the signal cable. Modify as necessary the VMI support structure or mounting base to allow the proper clearance. If you purchased a Lindsey mounting bracket with the VMI, no modification should be required.

2. Mount the VMI using the 4 tapped ½" holes (on a 3" bolt circle) in the base of the VMI using 4 standard ½"-13 bolts. The signal cable or signal cable connector should be centered in the clearance hole.

3. Connect the base of the VMI to ground or system neutral before the VMI is energized. One convenient method is to attach a ground wire to one of the mounting bolts in the base. For indoor applications, make sure that the VMI base is mounted onto metal connected to ground potential.

4. Connect the top of the VMI to the high voltage component, or bus. If the VMI is used outdoors on a pole, crossarm, or switch, simply connect a small wire to the top using a bolt and washer into one of the 4 top holes.

5. Connect the signal output, using either the cast-in signal cable or the connector/cable assembly, to your (one megohm input impedance) instrumentation package.