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GFK-1481

Use These Special Installation Instructions for Floating Neutral Systems

1. The input power terminals should be wired according to the instructions in the applicable data sheet (for IC697 power supplies) or installation manual (for IC/CE/BP693 power supplies).
2. The factory installed jumper between terminals 3 and 4 of the power supply module **must** be removed.
3. Voltage surge protection devices, such as MOVs, **MUST** be installed between the following terminals:
 - ☐ From L1 to earth ground
 - ☐ From L2 (Neutral) to earth ground

The voltage surge devices must be rated such that the system is protected from power line transients that exceed $\text{Line voltage} + 100\text{V} + (N-PE)_{\text{MAX}}$.

For example, in a 240 Volt AC system with neutral floating 50V above earth ground, the transient protection should be rated at:

$$240\text{V} + 100\text{V} + 50\text{V} = 390\text{V}$$