

Protecta*Lite™

Combines the #1 Insulator
With the #1 Arrester

The
"Clean Power"
Combination



Ohio Brass introduces Protecta*Lite—which combines Hi*Lite insulators with Dyna-Var arresters—to provide complete pole-top insulation and protection on either shielded or unshielded transmission or distribution lines.

Backflash and impulse-flashover problems can be eliminated as Protecta*Lite is strategically placed along your line.

Available for new construction and retrofit, Protecta*Lite:

- Improves system reliability by substantially reducing or eliminating lightning-induced interruptions
- Allows line compaction and reduced structure height
- Costs less than installing OHSW on existing lines
- Is polymer-housed for light weight and durability
- Is available for 4,160 through 230,000 volt applications
- Simplifies line uprating
- Can be used effectively on poorly grounded systems and structures
- Incorporates a "no lockout" feature



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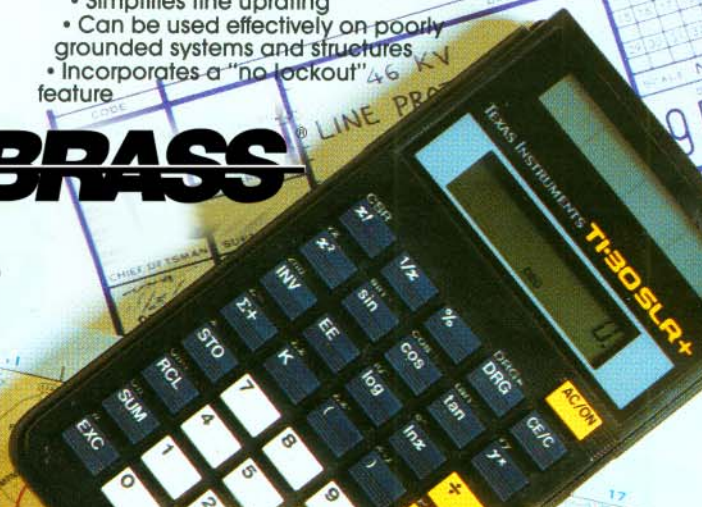
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Protecta*Lite™ Features and Benefits

- Eliminates or substantially reduces breaker operations resulting in less maintenance and improved service reliability.
- Same performance of an overhead shield wire can be obtained by using an arrester on the top phase only. Success is dependent on a good ground.
- Performance superior to an OHSW can be obtained by using arresters on all three phases. Success is not limited by the requirement for a good ground.
- When Protecta*Lite is installed on all three phases, shielding failures and backflash problems are eliminated.
- Easy to install on either new or existing structures.
- Installation can be accomplished on an “as needed” basis. It may not be necessary to include these as a “budget item.”
- May be installed in “trouble zones” only.
- Can be installed on lines with an OHSW to eliminate backflash problems caused by poor grounding. In many cases this is less expensive than improving grounds which may cost \$1,500 to \$2,000 per structure.
- Electrical losses are minimal.
- Polymer material has a life expectancy in excess of 50 years.
- Metal-oxide varistor technology has existed since 1976. The life expectancy of MOV blocks far exceeds the expected life of any transmission line.
- The concept of placing arresters on transmission lines is not new. Expulsion tubes have successfully protected transmission lines for decades. The design shortcomings associated with expulsion tubes have been overcome.
- The Protecta*Lite arrester has an unlimited shot life.
- The polymer arrester has been available for three years with an electrical failure rate less than .002 percent in environments with the most severe lightning duty.
- The Protecta*Lite arrester can pass 100,000 amp discharges and remain in service.
- The Protecta*Lite arrester has a “No Lockout” feature.
- Upgrading transmission lines is facilitated with Protecta*Lite by the ability to use existing structures, right-of-way, and in some instances the same insulators.
- Protecta*Lite arresters offer a clean appearance and are more aesthetically appealing than a taller structure with an OHSW.
- Protecta*Lite is available from the factory in combination with an insulator for new construction or without an insulator for retrofit applications.



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