

Surge Guard Lightning Arrester

This lightning arrester is designed to protect Irrigation decoder two-wire paths and solenoids from power and lightning surges. It can also be used to protect Landscape Lighting fixtures.

Irrigation industry solenoids were found to fail when exposed to an 8/20 micro-second pulse of 10,000 volts, or less. The addition of the Paige Electric Surge Guard allowed the same solenoids to survive a pulse of 20,000 volts. (Note: The TORO Spike-Guard™ solenoid survived at 20,000 volts, on its own.)

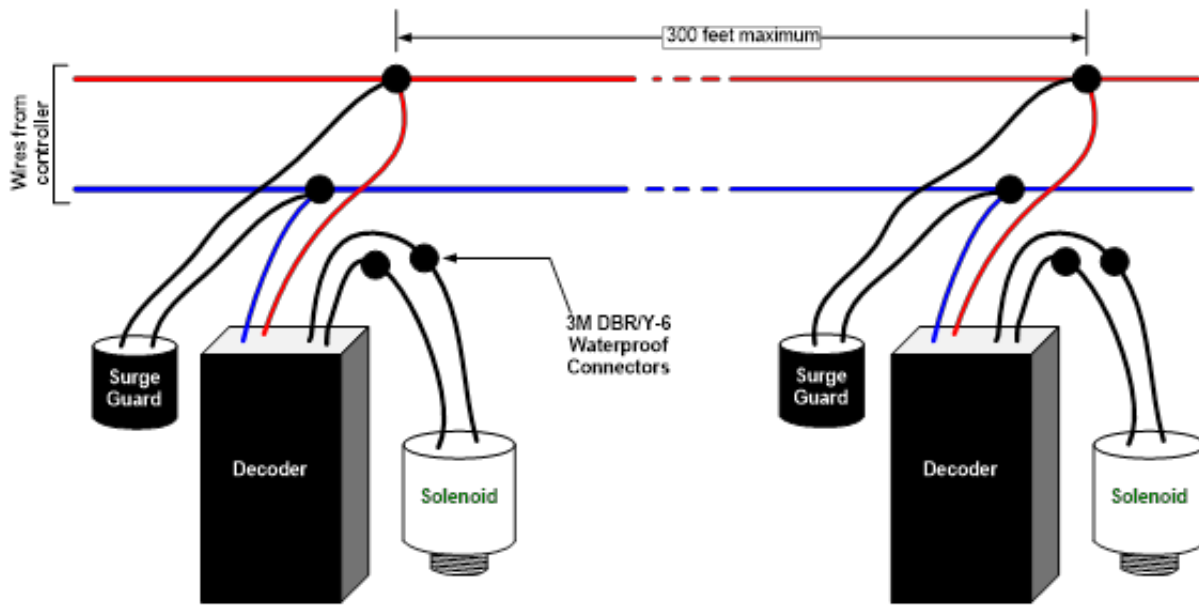
When used in irrigation two-wire systems, a Surge Guard device should be installed along the path so that no decoder is more than 300 feet away from it. In landscape lighting systems, no light fixture should be more than 50 feet from the lightning arrester. See wiring diagrams below.

Features:

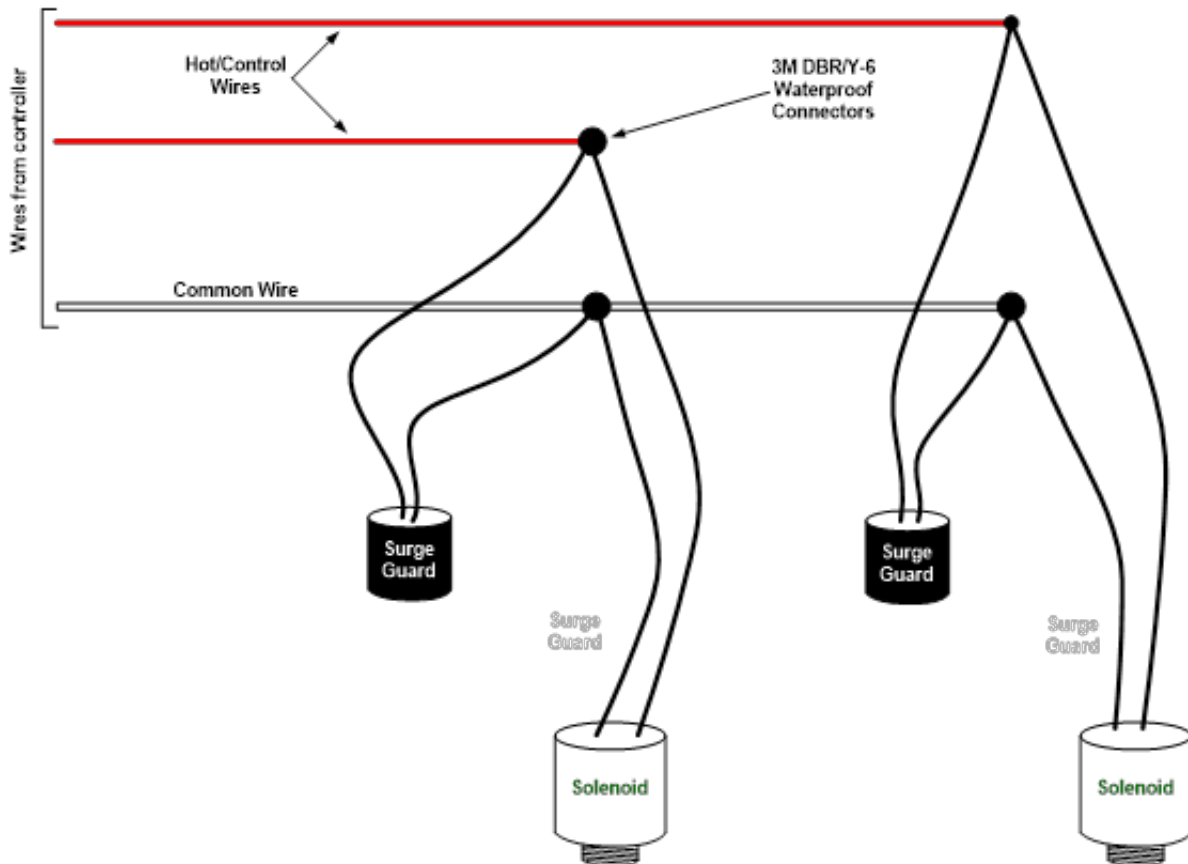
- The internal gas tube is ISO 9000 certified and conforms to the standards of UL 497B. Handles up to 10,000 amperes with an 8/20 micro-second pulse. Activates at 75 volts.
- Wired in parallel with solenoid(s), two-wire paths, or light fixtures as shown below.
- Can withstand several lightning hits. The life of lightning arresters is a function of how hard they are hit and the frequency of the strikes.
- Low cost. Reduces or totally eliminates the replacement of costly components.
- Paige part number: 270SSG



Two-wire circuit protection:



Solenoid protection:



Landscape Lighting Fixture protection:

