

### PENTEK INTELLIDRIVE

## CONNECTION DIAGRAM - SURGE ARRESTER

#### NOTICE

**★WARNING Hazardous voltage.** Disconnect power before installation.

- There must be no power applied to the drive when installing the surge arresters.
- Before installing the line and the load surge arresters, the circuit breaker must be in the OFF position.
- DO read and follow the instructions in the manual.
- DO have electrical systems installed by qualified persons.

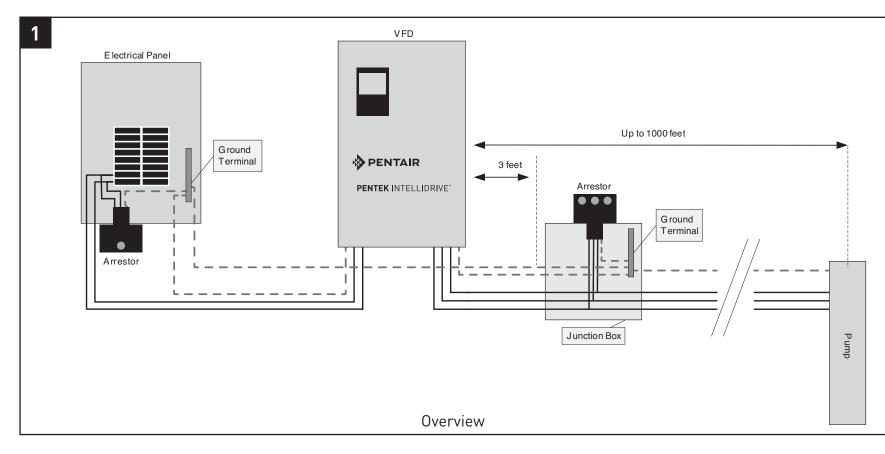
#### NOTICE

- These surge arrester devices are not guaranteed to protect the drive from a direct lightning strike.
- These devices are not guaranteed to absorb a lightning strike and then continue to protect the drive. If they absorb a lightning strike and are no longer operational, replace the arrester(s).

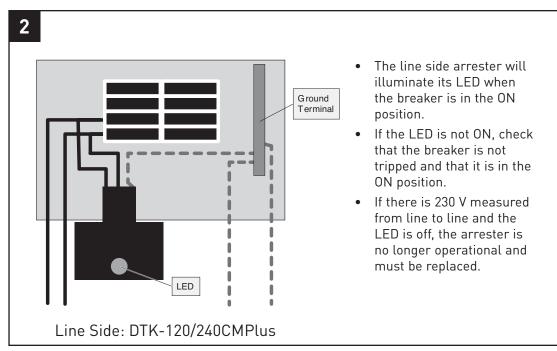
#### California Proposition 65 Warning

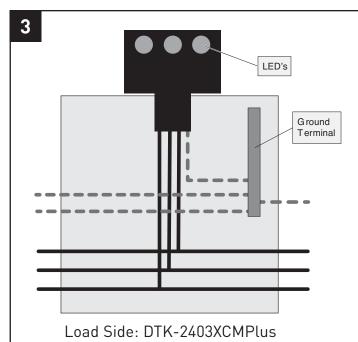
AWARNING This product and related accessories contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

# Read your manual for installation, operation, and safety information. This guide neither supplements nor replaces the Owner's Manual.



- 1. The load side arrester must be mounted in a junction box (not provided).
- 2. The junction box must be at least three feet (1 m) away from the drive.
- 3. There must be three feet (1 m) of wire from the output of the drive to the junction box.
- 4. Make load side connections according to the diagram for 3-wire and 3-phase motors.
- 5. For 2-wire motors, connect only 2 of the arrestor wires. Put a wire nut on the extra arrester wire.





- Load side arrester will illuminate all three of its LED's ONLY when the drive is running the pump. The LED's will be off when the drive is sleeping or in the stopped state.
- When using 2-wire motors, only two LED's are illuminated when the drive is running the pump.
- If the LED's are not on, check that the drive is running the pump. If the pump is running and the LED's are off, the surge arrester is no longer operational and must be replaced.

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