

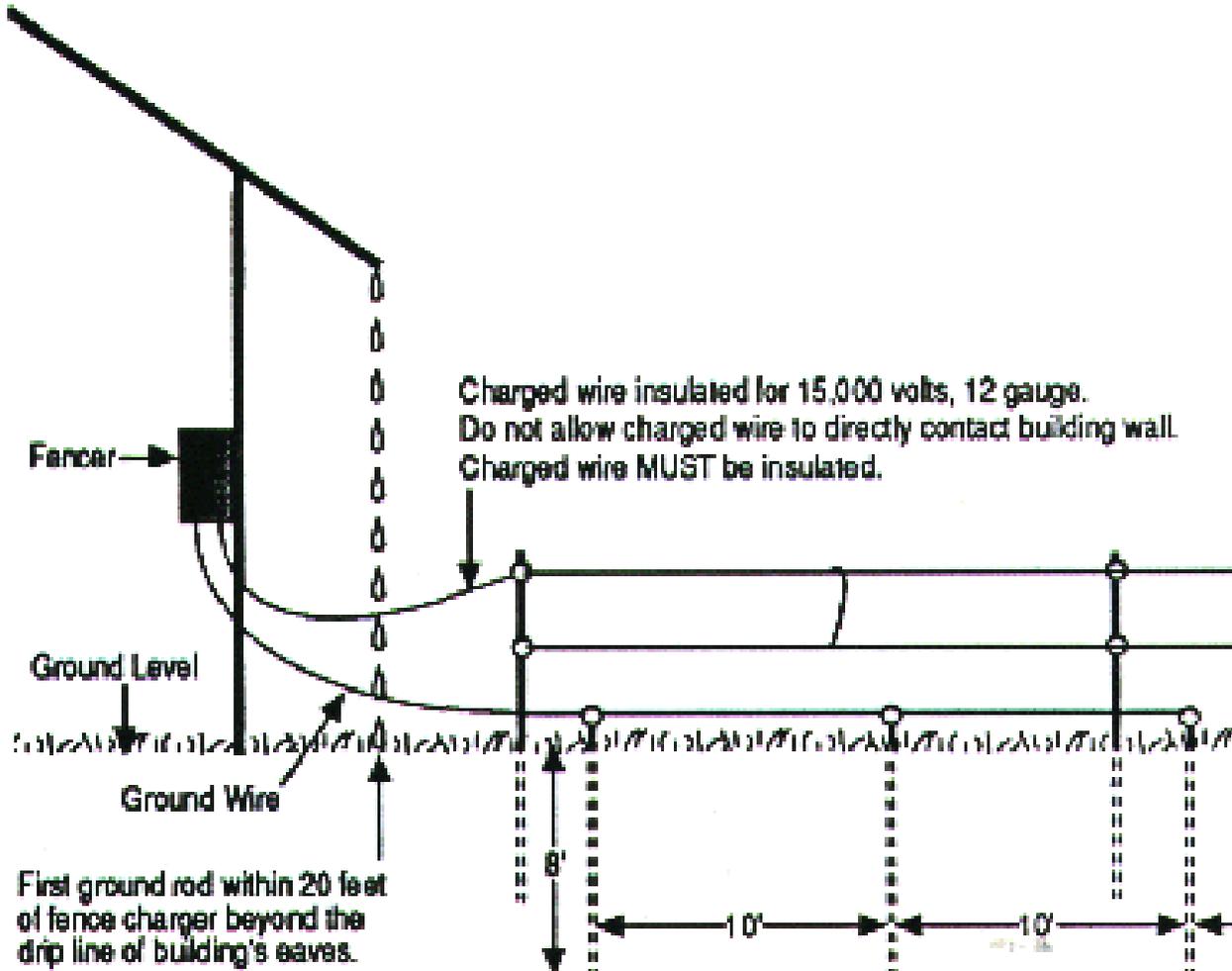
## Indoor Installation Guide

All 110 Volt A.C. power line operated models **MUST BE** installed in a clean, dry location protected from the weather, rain, snow, etc. The charged wire going from the fence charger to the fence line **MUST BE** insulated from building wall, etc. and also insulated from ground wire going from fence charger to ground rods.

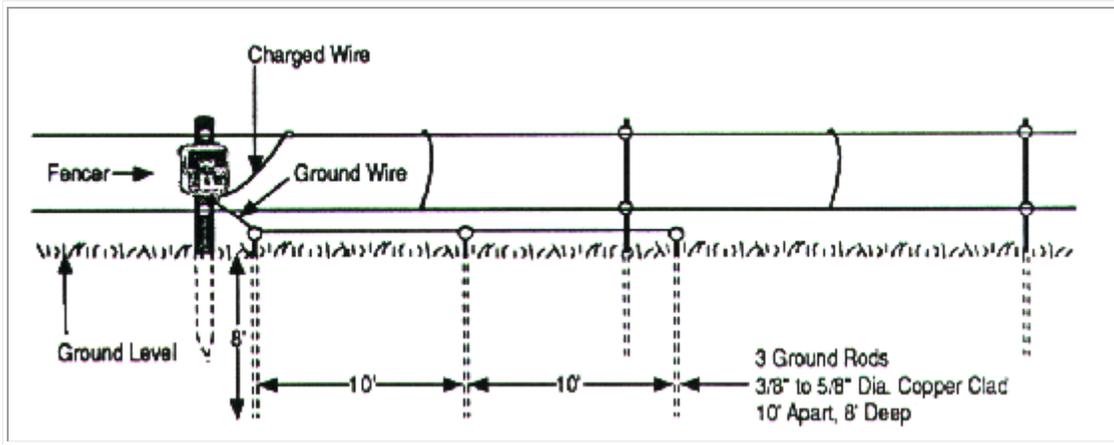
**DO NOT** use standard household or contractor grade insulated wiring for underground wiring as it is only insulated up to 240 volts maximum which is well below the effective operational voltage of your fence charger. Your fence charger operates well into the kilovolt (over 1,000 volts) range. Using this type of wire will result in your fence shorting to ground and render it ineffective.

**DO NOT** allow charged wire to contact building wall or return ground wire.

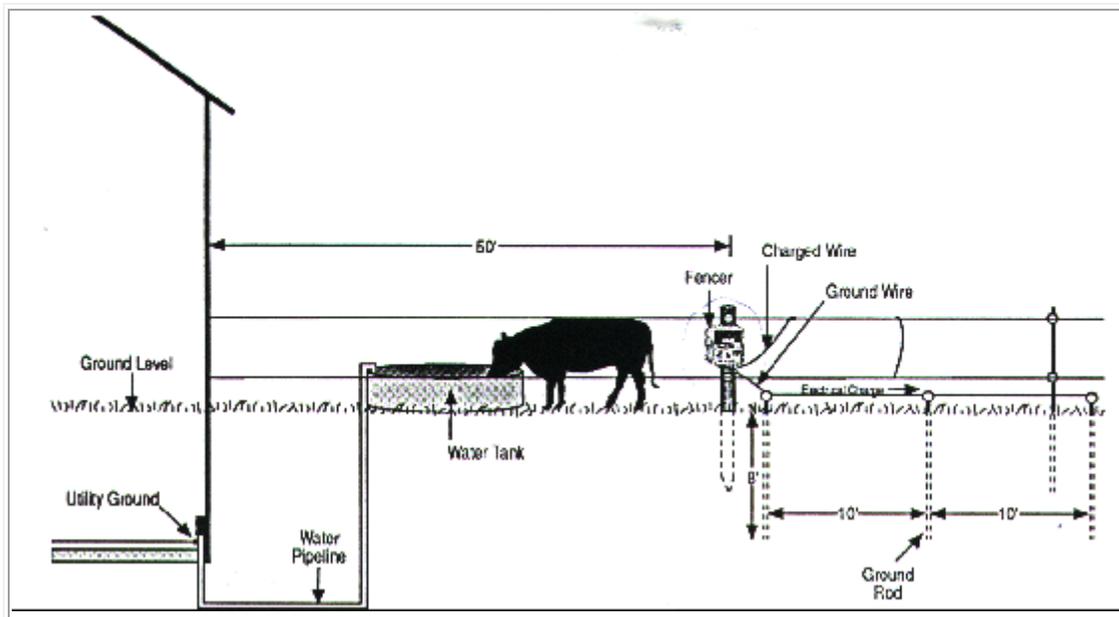
**USE** [Baygard item #693](#) insulated underground wire specifically designed for high voltage electric fence. Underground wire **MUST BE** insulated for a minimum of 15,000 volts. [Baygard item #693](#) is insulated to 20,000 volts is an excellent choice.



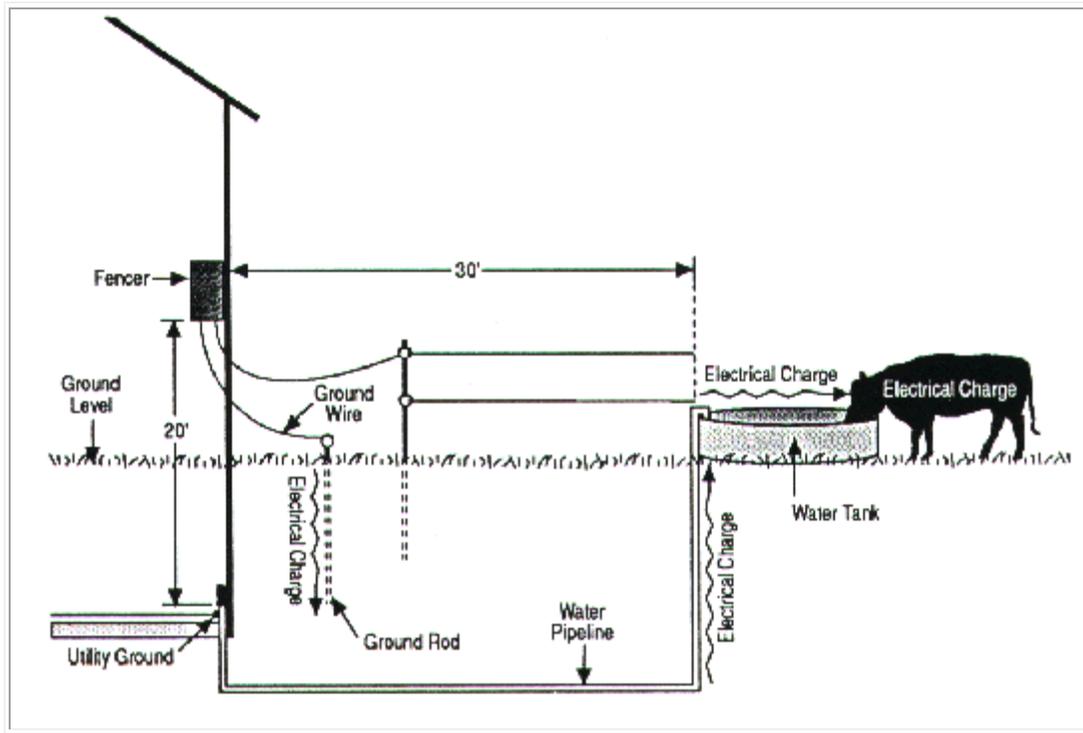
**Good vs. Bad Installation**  
**Recommended Outdoor Installation**



**Good Installation**



**Good Installation**



**Bad Installation**

### Recommended Ground Rods

3/8" to 5/8" diameter, 6 to 8 foot long, galvanized or copper clad rod. Drive ground rods a minimum of 6 to 8 feet deep into permanently moist earth.

**DO NOT** use painted fence post or any metal rod which has a painted surface because paint is an insulator and will not conduct electricity.

**DO NOT** use utility ground or water pipe to ground your fence.

**DO NOT** install fence ground rods within 50 feet of any utility ground system. This causes a poor ground condition. Your fence charger **MUST HAVE** its own separate ground system.

**Install** first ground rod within 20 feet of fence charger.

**Use** ground clamp to attach ground wire to ground rods. A sample ground clamp is furnished with your fence charger (110V A.C. models only). Additional ground clamps are available from your dealer.

**DO** replace ground rods every two years or so. The ground rods will rust underground and over time will no longer be a good ground.

## Underground or Under Gate Wiring

If you plan to run charged wire underground from your fence charger to the fence line, you must install it properly using the correct material or your fence will be "grounded out".

- **DO NOT** use standard household or contractor grade insulated wiring for underground wiring as it is only insulated up to 240 volts maximum which is well below the effective operational voltage of your fence charger. Your fence charger operates well into the kilovolt (over 1,000 volts) range. Using this type of wire will result in your fence shorting to ground and render it ineffective.
- **USE** [Baygard item #693](#) insulated underground wire specifically designed for high voltage electric fence. Underground wire **MUST BE** insulated for a minimum of 15,000 volts. [Baygard item #693](#) is insulated to 20,000 volts is an excellent choice.
- **DO NOT** burry underground wiring by itself.
- **DO** run underground wire through PVC (plastic) conduit. Bring both ends of conduit a minimum of 6" above ground level. Caulk both ends of conduit so that water cannot enter conduit.

