



# INSTALLATION INSTRUCTIONS FOR FA-VRS VOLTAGE REGULATOR SYSTEM

INSPECTED BY:

Welcome to hassle free landscape lighting. The 12 Volt VRS Voltage Regulator System converts and regulates 13 to 28 volts at a consistent 11.8 volts to each fixture. Using the VRS will provide optimal light bulb life, consistent color and proper light output to every fixture it is used on. Soft Start feature reduces voltage spikes which reduces filament shock and extends light bulb life even more. The fully potted VRS is unaffected by temperature fluctuations and is rated for Direct Burial and above grade installations. Built in Green and Red LED indicators identify field voltage conditions so no Voltage Meters are required.

**CAUTION:**

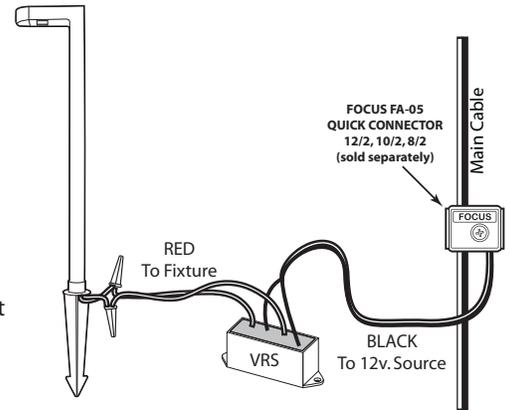
For use only with Magnetic Multi-Volt or High Voltage transformers with output of 13 to 28 volts. Not compatible with electronic transformers.  
Do not use with LED light bulbs.  
Maximum Input: 28V  
Maximum Light Bulb Wattage: 75W

**Installation Instructions**

1. Connect 3 foot black 18/2 lead wire to main cable. We recommend using the Focus FA-05 Quick Connector (sold separately.) Fixture wire should be buried under ground to prevent detachment and have a cleaner look.
2. Connect red leads to fixture.
3. Turn on power supply to the fixture and check for proper connection and operation of VRS:

**Green On** - VRS is activated and required because voltage is higher than 12 volts.  
**Red Blinking On/Off** - Voltage is at or near 12 volts. VRS will not be required at or beyond this point unless voltage is increased by using a higher voltage tap on transformer.  
**Red On** - Voltage is below 11.8 volts. Remove VRS as voltage regulation is not needed or activate VRS by increasing voltage using higher voltage tap on transformer.

Note: During Soft Start the VRS performs a self test. The Red LED will turn on momentarily then turn off when the voltage regulation is activated and Green LED is on.



12v Install VRS

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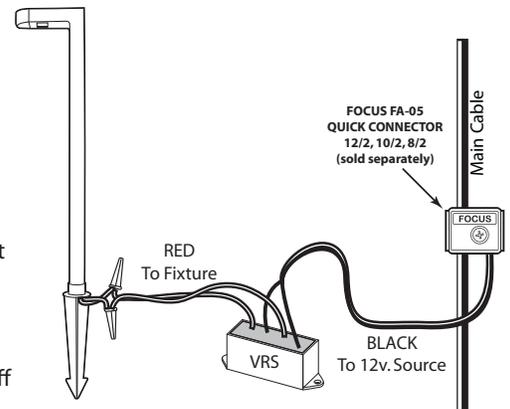
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