

SmartSoak™ Sprinkler Valve Attachment

Designed to save water, reduce run-off, and promote better plant and lawn root structure

Features:

- | Made in the U.S.A.
- | Saves water and promotes better root structure
- | Lowers electrical usage
- | Reduces run-off waste water and storm drain pollution
- | Environmentally friendly
- | Low cost, should pay for itself in water savings within the first few months
- | Easy to install on your existing electronic controlled sprinkler system
- | Typical installation can be done in less than 5 minutes
- | Works with industry standard 24V A/C controllers and valves
- | Subdivides the zone run time into fractions of a minute to better manage water absorption
- | User selectable run/rest times
- | Built-in LED shows status of cycle and programming
- | Completely sealed and designed for outdoor installation
- | Proprietary electronics reduces drive current to the solenoid after activation - thus reducing power consumption

Irrigation systems often create run-off which wastes water, creates soil erosion, and pollutes the storm water drains. The problem is caused by the absorption rate of the soil or vegetation being less than the application rate from the sprinkler.

The **SmartSoak™** solves this problem by dividing each watering cycle (zone run time) into multiple shorter cycles, allowing time for full absorption.

The **SmartSoak™** is a small electronic device, designed to be installed in between the main irrigation timer (controller) and the irrigation solenoid valve.

The **SmartSoak™** has 4 user selectable time patterns. For hard soils and steep slopes, use the shorter run time and longer rest period options. For flat landscaping or porous soils, use the longer run time and shorter rest periods. Select the pattern that best suits your needs by observing the absorption rate of your sprinklers.

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*The **SmartSoak™** subdivides the zone run time into fractions of a minute, typically turning the valve on for 45 seconds, then shutting it off for a rest period of 45 to 240 seconds. During the rest period, the water is allowed to “soak” into the landscaping. After the rest period, the valve is turned-on again and the process is repeated over and over for the entire zone run time. In this way, the water is absorbed into the ground and doesn't run-off.*



*The **SmartSoak™** is a small electronic control unit that connects to the sprinkler valve.*

Installation Instructions:

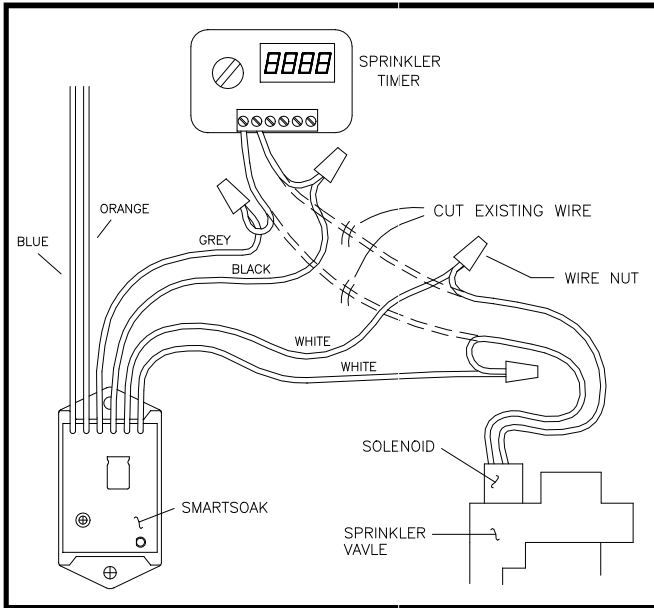
The **SmartSoak™** has 4 installation options as shown below. Each variation selects a different on/off time (duty cycle). For softer soils and flat areas, select option 1 or 2. For hard soils and slopes, select options 3 or 4. **Refer to the installation instructions provided with the product before attempting to install!**

Electrical Specifications:

Input Voltage: 22-26VAC
Output Current (max) 1.5 amps

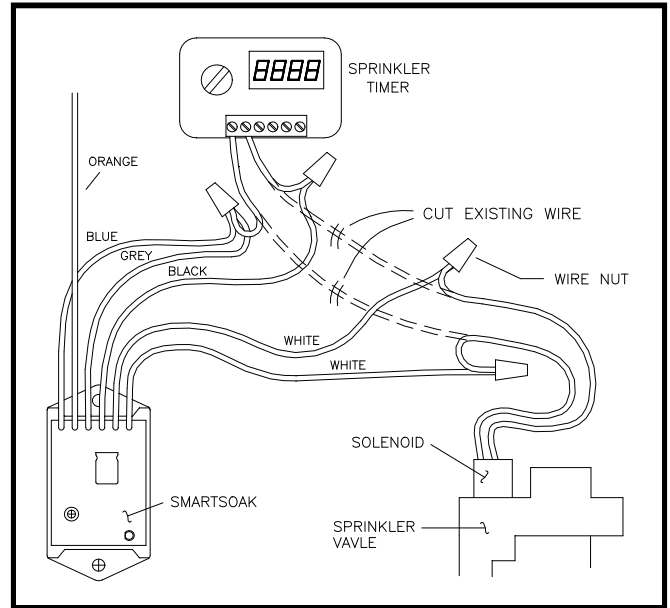
Dimensions/Mechanical:

2.5" x 3.0" x 1.5"
Wire Size - 18Awg
Wire Length - 8"



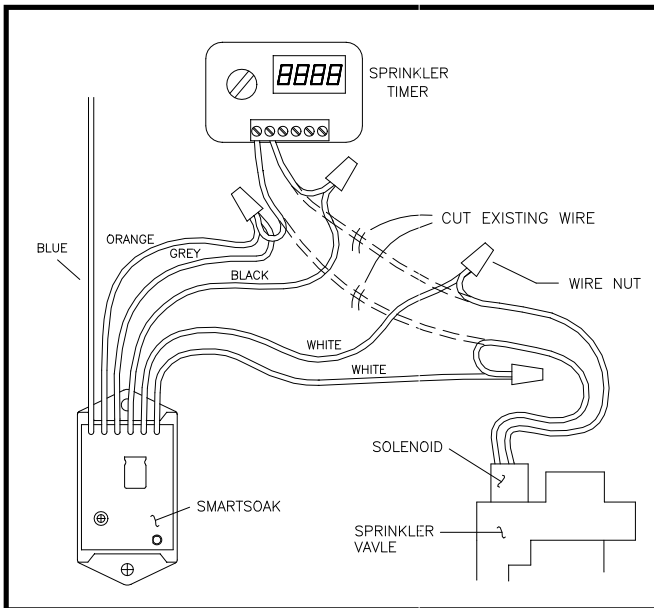
Option 1:

Connect as shown for 45 second run time and 45 second rest time (50/50 Duty cycle)



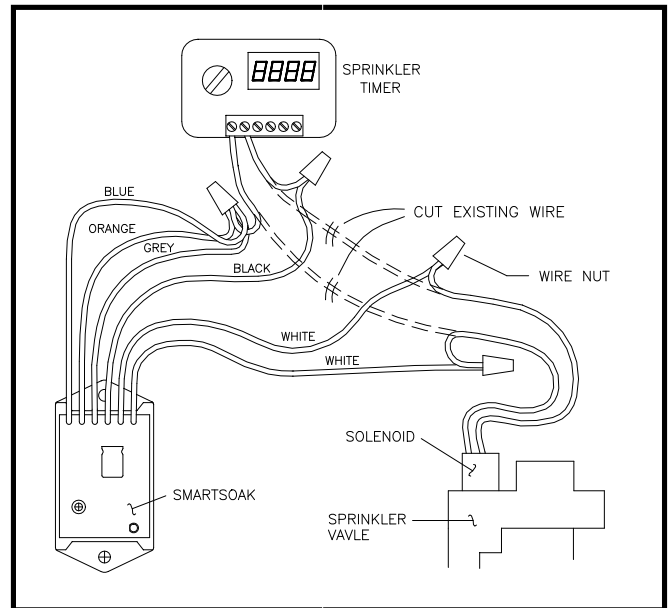
Option 2:

Connect as shown for 45 second run time and 75 second rest time (40/60 Duty cycle)



Option 3:

Connect as shown for 45 second run time and 90 second rest time (30/70 Duty cycle)



Option 4:

Connect as shown for 60 second run time and 240 second rest time (25/75 Duty cycle)