

WATERGREAT LLC  
MODEL SR-1 SERIES  
ADVANCED INSTRUCTIONS



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# WaterGreat SR-1™ Advanced Instructions

This document covers Setting the Watering Time, Connecting Wiring, and some basic troubleshooting guides. Contact [support@WaterGreat.com](mailto:support@WaterGreat.com) if you have inquiries or suggestions for clarifying these procedures.

## Setting the Watering Time



8 MINUTE DEFAULT WATERING



20 MINUTE WATERING



1 MINUTE WATERING

1) Twist the control head counter clockwise until it hits the stop (a small amount), then separate the control head from the black support housing. The unit will separate showing the switches and terminal strip on the left.

2) Using a fingernail, a pen tip or a small screwdriver select the switches on the red switch panel to the watering time you wish – 8 minutes, 20 minutes or one minute. As shown in the pictures and captions: Switch 1 ON and Switch 2 OFF is 8 minutes; Switch 2 ON and Switch 1 OFF provides 20 minutes of watering; both switches OFF provides one minute of watering. Note: this is only the watering time that occurs when the SET point (by the knob) is greater than the READING. The reading is shown by the blinking LED that repeats the last measured soil moisture every 20 seconds.

Normally 8 minutes works well. 20 minutes is used when a deep watering is desired, or with heavy clay soils and ½ gallon per hour drippers or similar. The one minute setting usually used when a full amount of water can be applied in a short period without harm, such as a hose filling a tree planter box.

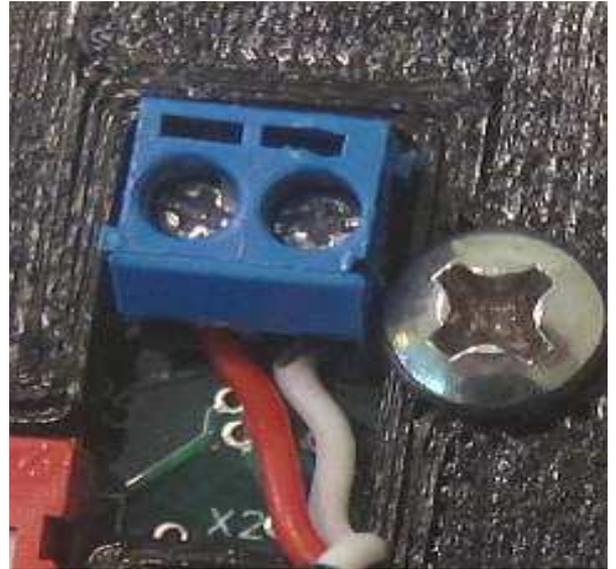
## Removing or Lengthening the Wiring to the Valve

Summary: Consumers will occasionally wish to re-route their valve wiring, or extend it if the 9 ½ feet length is not adequate. Simply take care in removing the wiring, and pay particular attention to keeping the wiring as shown: Red wire (or attached wire tied to the red wire) on the LEFT and the White wire on the right.

If by accident you reverse this wiring you will not harm the system, but the 'ON' and the 'OFF' function of the valve will be reversed. If turning the moisture knob all of the way down turns the valve 'ON' you have reversed the wires.

Notice: This terminal strip uses a small opening and screwdriver. Take care in making sure you re-install the wiring in the proper hole, and when you tighten the wire back make sure that you have good insertion into the hole. Mistakenly shorting the two wires together, such as bare wires of the white touching the red during valve operation will short out the output transistors in the controller, and it will fail. Shorting the wiring is not covered by warranty, so be careful! Always turn the knob all of the way down before working on the wiring.

To extend the wiring, just pay attention to the color coding and carefully remove the existing cable from the drilled hole in the support housing. Purchase additional wiring (at least 22 gauge, preferably larger). Then use an outdoor rated splice to attach the existing cable to your new cable. If needed, you may enlarge the hole in the support housing to fit the new wire. It is not recommended to enlarge the hole much as it may crack the support housing. Most hardware stores sell 22/2 stranded CM plenum type cable that will fit into the existing support housing hole. Do not extend more than 20 feet.



Valve Wiring -Red wire on Left

### SR-1™ by WaterGreat™ LLC Limited Two Year Warranty

WaterGreat LLC warrants to its customers that its WaterGreat SR series products will be free from defects in materials and workmanship for a period of two years from the date of purchase. We will replace, free of charge, the defective part or parts found to be defective under normal use and service for a period of up to two years after purchase (proof of purchase required). We reserve the right to inspect the defective part prior to replacement. WaterGreat LLC will not be responsible for consequential or incidental cost or damage caused by the product failure. WaterGreat LLC liability under this warranty is limited solely to the replacement or repair of defective parts. To exercise your warranty, return the unit to WaterGreat LLC with a copy of the sales receipt. **YOU ARE IMPORTANT TO US. We will work with you to provide reduced pricing for any units under five years.**

## Error codes and Conditions:

<b><u>LED indication</u></b>	<b><i>Condition</i></b>
One brief blink per minute	Low light condition – normal
Two brief blinks per minute	Low battery – move into sun more or contact support for battery replacement
Three brief blinks per minute	Hardware failure – contact Support
Continuous blinking	Normal first 15 minutes in the morning – then indicating a weak battery if persists. Move into a sunnier area. If problem persists after two days, contact support for a battery replacement.
Poor water flow	Check screen at input to the valve. If clogged, remove stainless housing screws and reverse flush and re-install.
Very low moisture readings (few or no blinks)	Check that sensor is close to the irrigation source, and that the soil appears moist. Reposition the sensor to firm soil near the water source or in the sprinkler pattern.