

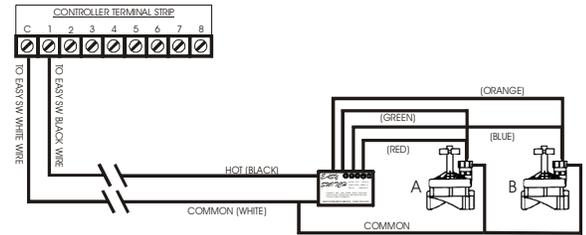
The Easy Switch™

The Easy Switch is a high-tech switching device designed especially for the purpose of running more than one irrigation valve on one set of wires. This unit's unique characteristics make it the perfect device for getting around broken wires, adding new landscape, or adding new valves in low-pressure situations. The Easy Switch is completely waterproof and is designed to be installed in the valve box with the new or existing valves. The rugged ABS box comes with two screw holes for mounting to the valve box or lid. Each Easy Switch has four bright LED's to let you know which station is on. The fifth LED is red; it is the short circuit indicator. The Easy Switch is equipped with an automatic resetting fuse that will blow if the unit has a solenoid that draws more than .65 amps. When the unit gets powered down the fuse will automatically reset and waters the next valve the next time it gets power. This will prevent any shorted solenoids hooked up to the Easy Switch from blowing the main timers circuit breaker.

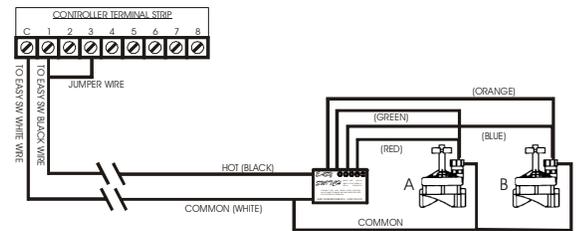
The Easy Switch will run either 2 or 4 valves on a single set of wires. The Easy Switch will alternately or sequentially activate each valve after each power on-off event of the timer. In other words, every time the Easy Switch receives 24 vac from the timer it will advance to the next valve and water until the timer shuts off. This process will happen sequentially, first A, then B, then C, then D, then back to A and so on. To make the unit switch properly the timer must go off and then back on again and it needs at least a one-second delay between the power off and power on cycle. There are several ways to do this.

First method: To use the Easy Switch to control two valves you need to connect the red and green wire of the Easy Switch together and connect the blue and orange wire together. The paired set of output wires will be the hot wires going to your two valves. Connect the white wire to the common wire coming from the main timer; this will be the common wire for both valves as well. Connect the black wire to a good station wire coming from the timer. The good station wire will be the hot wire supplying power to the Easy Switch and making it switch. Back at the controller, the common wire should be hooked up to the timer common. The station wire can be hooked up a couple of ways.

One way is to wire it to a single station on your controller. Whenever this station comes on it will send power to the Easy Switch. The Easy Switch will switch and water the first valve for the programmed time on the controller. The next time that station comes on it will switch and water the other valve for that same amount of time. This works great for two like areas where both valves can run for the same water time. You may want to use two programs or two start times to make the Easy Switch water both valves on the same day.

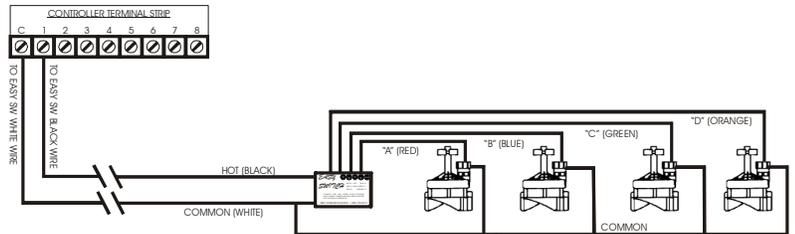


Another way to connect your hot wire is to connect your hot wire to a station on the main timer and run a jumper wire to another station. When the first station comes on the Easy Switch, will switch and water the first valve for the programmed time on the controller. When the other station that is jumped over to the hot wire comes on the Easy Switch will come on and water the next station for it's programmed time. Remember the Easy Switch needs a one second delay between activation's to switch properly. This can be accomplished by skipping a station between the first station and the second station. With this hook-up, you can program the two stations for different times. This is useful for different types of watering needs. I.e. (shrubs & turf)

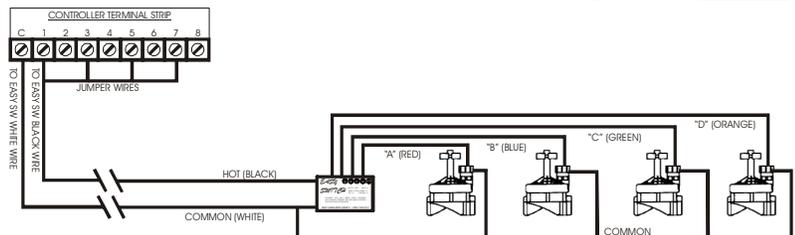


Second method: To use the Easy Switch to control four valves you need to connect the red, blue, green, and orange wires of the Easy Switch to a valve. The colored wires will be the hot wires going to your four valves. Connect the white wire to the common wire coming from the main timer; this will be the common wire for all four valves as well. Connect the black wire to a good station wire coming from the timer. The good station wire will be the hot wire supplying power to the Easy Switch and making it switch. Back at the controller, the common wire should be hooked up to the timer common. The station wire can be hooked up a couple of ways.

One way is to wire it to a single station on your controller. Whenever this station comes on it will send power to the Easy Switch and it will switch. The Easy Switch will water the first valve for the programmed time on the controller. The next time that station comes on it will switch and water the next valve for that same amount of time. This will occur sequentially with each activation. This works great for like areas where all the valves can run for the same amount of time. You may want to use four programs or four start times to make the Easy Switch water all the valves on the same day.



Another way to connect your hot wire is to connect your hot wire to a station on the main timer and run a jumper wire to three other stations. When the first station comes on the Easy Switch, will switch and water the first valve for the programmed time on the controller. When the next station that is jumped over to the hot wire comes on the Easy Switch will come on and water the next valve for it's programmed time...and so on. Remember the Easy Switch needs a one second delay between activation's to switch properly. This can be accomplished by skipping a station between the jumped stations. With this hook-up, you can program the four stations for different times and they will water on the same day with a single program. This is useful for different types of watering needs. I.e. (shrubs & turf)



**NOTE: If the Easy Switch gets out of sync use the auto-off switch on your timer to turn it on and of until it gets back in sequence.
VR Manufacturing 309-937-4133**