

Splitter



Operate multiple valves from a single pair of control wires on a single controller station

Having problems with broken field wires? Need to add more control valves? Splitter is the solution that takes one pair of control wires and one controller station and turns them into 2 to 6 identically timed, sequentially operated circuits.

You simply program the controller zone for the total amount of run time required by all valves connected to the Splitter unit. The Splitter will divide the programmed time evenly among each zone.

The Splitter will save you time and labor trenching in additional wiring or in locating faults. The waterproof unit can be directly buried anywhere that is convenient. Plus, no electrical modifications to the controller are required.

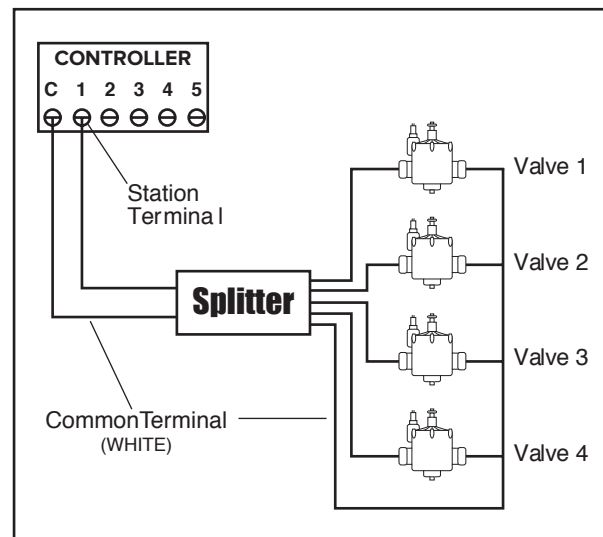
INSTALLATION INSTRUCTIONS:

Connect the red and white wires to the control wires coming from the irrigation controller. Connect the yellow wires to each remote control valve to be controlled by the Splitter and the white wire to all valves.

Program the station on the controller for the total run time required for all of the valves connected to the Splitter unit. The Splitter will evenly divide the total run time programmed between each of the valves connected. *For example, to run 4 valves each for 15 minutes, program the controller for 60 minutes.*

It is possible to control odd numbers of zones with a Splitter unit. In each case, you would need to connect any unused wires to an active valve. *For example, 3 valves could be controlled with a 4 zone Splitter unit. The valve to which the extra output is connected will operate for twice as long as the other valves.*

To have a longer run time on one valve connected to a Splitter unit, simply connect multiple zone outputs from the Splitter to the single valve.



TECHNICAL FEATURES:

When energizing in an installation for the first time, the Splitter unit will loop continuously for 30 seconds per zone until the programmed run time has been completed. This operation allows the unit to “learn” the amount of time that will be required for each valve.

If the zone run time for the controller zone to which the Splitter unit is connected is changed after the initial installation, the unit will go through a procedure to “learn” the new time. If the total run time is lengthened, the unit will run as the previously programmed and then return to the first valve and sequence until the remaining time is used. The next time the controller cycles, the Splitter will divide the newly programmed time evenly. If the run time is shortened, on the first run the Splitter will operate as previously programmed except the reduced time will be cut from the last valve(s). The unit will reset to the evenly divided reduced watering time on the next cycle.