

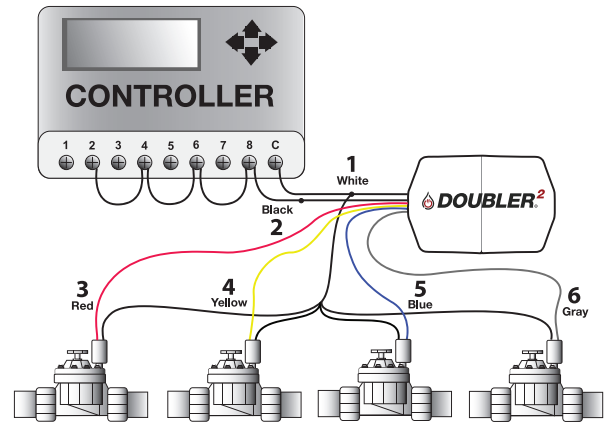
# Installation Instructions



## Installing DOUBLER<sup>2</sup> in the Valve Box

1. Connect **white** wire to the same field **common** as your valves.
2. Connect **black** wire to the **station/hot** wire that runs from the controller (disconnect from any valves).
3. Connect **red** wire to the hot of the **first** valve.
4. Connect **yellow** wire to the hot of the **second** valve.
5. Connect **blue** wire to the hot of the **third** valve.
6. Connect **gray** wire to the hot of the **fourth** valve.

**Be sure to waterproof all wire connections!**



## At the Controller

### Option 1

Locate the station with the hot wire going to your DOUBLER<sup>2</sup>. Simply connect a jumper wire between this station and another three open stations of your choice then set your watering times. A fourth station will need to be used even if only operating three valves to keep all valves watering in the proper order. \*On digital controllers these stations should not be in sequence. (see tool tip below)

### Option 2

If three open stations are not available - two stations may be used twice. Simply program the same two station numbers to water again on Program B. (i.e. Stations 6 and 8 would be set to water on both programs A and B) Set your watering times and a Program B start time.

Congratulations you have now installed your DOUBLER<sup>2</sup>!



On digital controllers, we recommend you skip a station for reliable operation. Some digital controllers can switch so quickly that the next station will power up before the last station has powered down. DOUBLER<sup>2</sup> will not detect the voltage drop it uses to switch in these cases. For controllers equipped with the station delay feature - you may program the station delay in lieu of skipping stations.

## Testing

- ⚡ Once installed, activate the DOUBLER<sup>2</sup> stations in sequence to be sure unit is operating properly.
- ⚡ After servicing/testing of system or if valves become reversed, turn the last DOUBLER<sup>2</sup> station on and off until correct valve is watering. This will put the DOUBLER<sup>2</sup> back into the correct sequence. (i.e. If DOUBLER<sup>2</sup> is installed on stations 2, 4, 6 and 8, turn station 8 on and off until the correct valve is watering)



If your DOUBLER<sup>2</sup> is only operating three valves, the fourth output (gray wire) will need to be capped off so that it is waterproof. A jumper wire will need to be installed on a fourth station and a minimum time set to keep all valves watering in the correct sequence. Blue and gray output wires may also be connected together if necessary to prevent damage due to "Deadheading" on systems using pumps.