

Master Valve Wiring and Online Setup

In this article, we will discuss the following topics:

- Brief Summary
- Operation Chart
- Wiring
- Setup Online
- Master Valve (P/MV) Operation per zone

Brief Summary

A master valve is a normally closed valve installed at the supply point of the main line that opens only when the automatic system is activated. Zone valves are the individual valves that operate a group of sprinklers or drip emitters. Hydrawise controllers support 6 - 54 zone valves, depending on the model. Typically one zone valve is turned on at a time and controls the irrigation in a specific area of your garden. Whenever one of the irrigation zone valves is told to open by the controller, the controller also signals the master valve to open. The purpose of the master valve is to shut off the water to the irrigation system when none of the zone valves are operating.

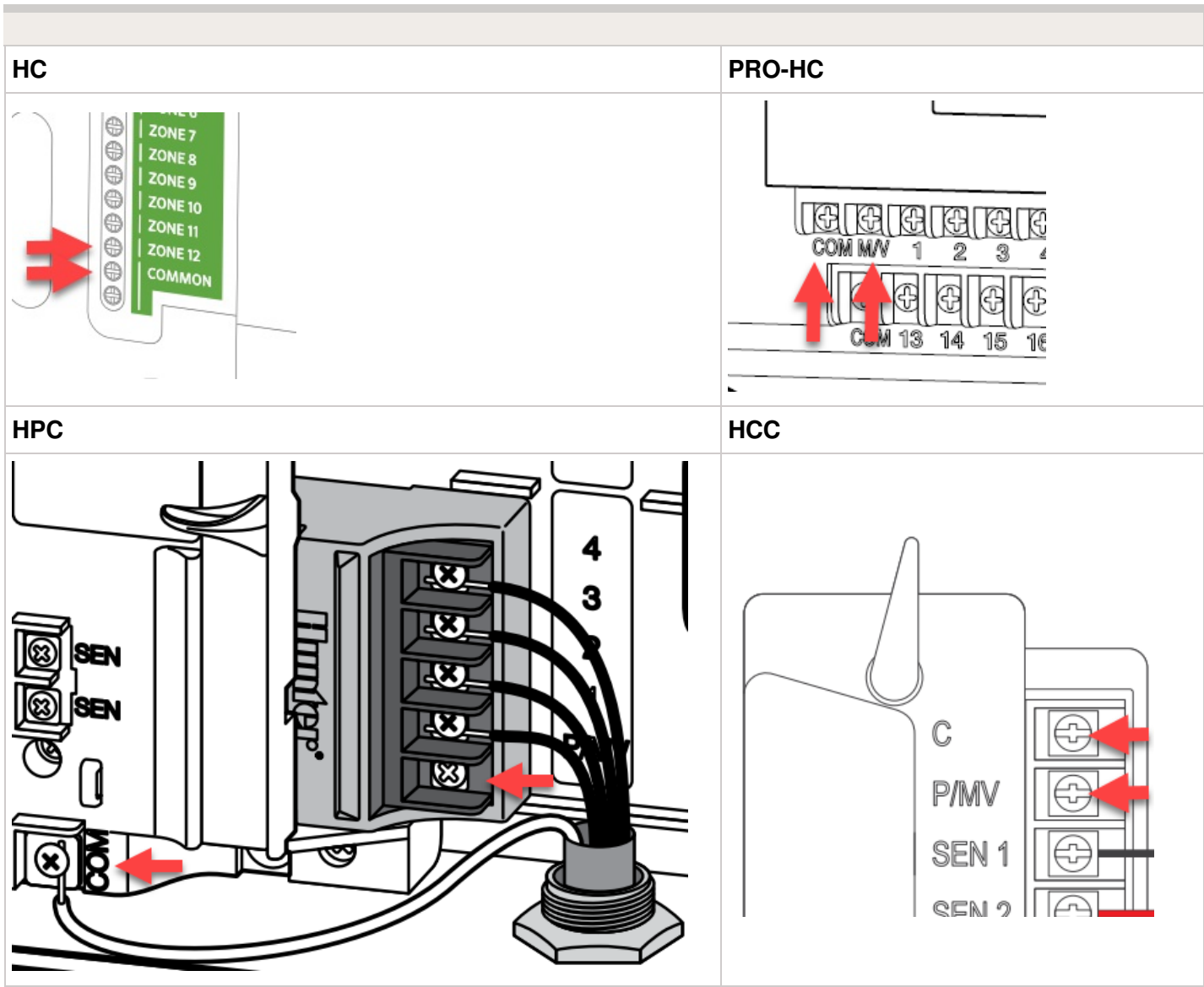
Operation Chart

Controller Model	Set Master Valve Operation
HC	ON or OFF by All Zones
PRO-HC	ON or OFF by All Zones
HPC	ON or OFF by Zone or All Zones
HCC	ON or OFF by Zone or All Zones

Wiring

1. Route the master valve wire between valve location and Hydrawise controller.

2. Attach the common wire to either solenoid wire. This is most commonly a white colored wire. Attach a separate control wire to the remaining wire of each master valve solenoid. All wire splice connections should be done using waterproof connectors.
3. Route wire through the conduit or one of the openings on the bottom of the cabinet.
4. Strip 1/2" (13 mm) of insulation from ends of all wires. Secure the valve common wire to the "COM" (Common) terminal. Attach the opposite control wire to the M/V terminal.



Note: With a HC Hydrowise controller, any one of your 6 or 12 zones can be configured to act as a master valve. We usually recommend wiring to the last zone not used in the controller.

Setup Online

This setup option is prompted when you first go through the initial setup wizard in the software.

Does your irrigation system have a Master Valve?

No I don't have a Master Valve

Yes I have a Master Valve

In the event you need to change this in the software after the setup wizard, please refer to the instructions below.

1. Login to your Hydrowise account
2. Click on **Zones and Schedules** for the PC or **Zones** if using the mobile app.
3. Choose **YES** from the drop down above the zones. If you have an HC controller, then you choose the zone number that you have the master valve wired too.


HC Controller	PRO-HC, HPC, and HCC Controllers
<p>Master valve: Not assigned</p> <p>Zone 2</p> <p>Watering Type: Time Based</p> <p>Run Length: 5 mins</p> <p>Frequency: Every Program</p> <p>Predictive Watering: None</p>	<p>Master valve: Yes</p> <p>Front Drip Zone 3</p> <p>Watering Type: Time Based</p> <p>Run Length: 30 mins</p>

Master Valve (P/MV) Operation per Station

For selecting a master valve to be on/off for a individual zone, this can be done when editing the zone in zones and schedules under advanced settings. This option is useful when one zone is using city water and another is using from another source.

Note: This option is for HPC and HCC controllers only.

Please follow the steps below to change this setting.

1. From the **Zones and Schedules** page, click on the  icon on the zone you would like to edit.
2. Click on **Advanced** located on the top blue search section.
3. Select Use **Global Master Valve Setting** to keep this circuit on or select **Disable Master Valve** to turn this circuit off.

Master valve

Use Global Master Valve Setting Disable Master Valve

Water Adjustment

Fine tune your watering if your zone appears to be too dry or wet

