This tutorial describes how to install a sprinkler valve to a PVC line and make it easily replaceable. How can you ensure a one-way flow?

1. Apply primer outside the PVC pipe and inside the female slip.
2. Then apply PVC cement outside the PVC and inside the female slip.
3. Insert the PVC pipe into the female slip.
4. Apply PTFE seal tape where there is male thread. Twist the male thread into the female thread of the valve.
5. Hand tighten.

Use twist-On wire connectors to connect two wires.

A wire (conventionally of white color) is connected to the Common port of the sprinkler controller. A wire from each sprinkler valve should be connected to the same common port of the controller.

A colored wire (red in this example) is connected to one of the control ports.