



6906 Martindale Road  
Shawnee, KS 66218

## Install Components

**Water Tap**- In order to access the water supply for the system we first dig down to the main water supply line located usually in the front yard by the water meter. Once the line is located, we shut off the water for roughly 30 minutes in order for us to establish a secure connection. An on/off ball valve is installed from this connection to control the sprinkler system alone. This allows you to turn off the water to the system if service to the system is needed, or if you're preparing for the winter months.

**Backflow**- We install a backflow preventer on every system which protects your drinking water. Surrounding cities have different requirements pertaining to the location and type of the backflow which is met by us on every install.

**Master Valve**- This valve pressurizes the main line only when the system is turned on by the controller eliminating unnecessary stress on components and preventing major water loss in the event of a cut pipe.

**Blowout**- Come every winter it is necessary to blow out all the water in the system. We install ¾" connection that serves as a way for us to hook up to the system to blow out all the lines, valves, and the backflow ensuring a dry and winter safe system come freezing temperatures. The first year includes a complimentary startup and shutdown.

**Vibratory Plowing**- We use a vibratory plow to install our sprinkler lines. This machine pulls the pipe underground with minimal disturbance to the surface. After the system is installed, we go back and seed all the lines where the pipe was pulled returning your turf to the way it was before we started.

**Hunter PGP Ultra Rotor**- We typically use 4" pop-up rotary sprinkler heads for large areas that are free of a lot of obstructions. This head sprays anywhere from 17-35 feet efficiently while running and disappears from sight when the job is done.

**Hunter Pro-Spray**- We typically use 4" pop-up spray sprinkler heads for smaller confined turf areas and planting beds. This head has a range of 4-17 feet and in certain applications it can spray side to side. Just like the PGP, the pro spray is hardly detectable when not in use.

**Hunter X2 Controller**- This base controller a very user-friendly controller that gives you the option of setting up one or multiple programs. It also allows for manual operation of independent zones, or multiple zones as needed. The X2 is rated for both indoor and outdoor situations. We can install the controller on the inside of the garage as close to an electrical outlet, or on the exterior near an outlet if preferred.

**Controller Port**- On the outside of the garage we install a port that allows us to plug in a Hunter Roam Remote to service your sprinkler system if you are not able to be home. Our service technicians have this remote with them allowing them to turn on/off zones while walking around the lawn. It allows the technician to run the system. However, the remote will not change any settings that you have configured on your Hunter X2. If you would like a remote for your personal use they are available for only \$249.00

**Zone Valves**- We use Hunter PGV, 100 series valves. The sprinkler heads in the yard are divided into separate zones. Each zone requires a valve which regulates water from entering the zone off the main line. When the zone is activated on the controller or remote, the valve opens up and allows water to fill the zone. These in ground valves are grouped in valve boxes leaving only the lid visible to the eye.

**Rain Sensor**- We use an Irritrol wireless rain sensor for the Hunter X2 controller. The receiver is mounted next to the controller in the garage. The sensor can be mounted in a nearby gutter that's free of any obstructions, or on a nearby fence post. With this sensor you won't have to worry about turning off the system if you have recently or currently had a considerable amount of rainfall. The sensor automatically shuts off the system for that days programmed start time.

### **Optional Water Saving Upgrades:**

**Hydrawise Wi-Fi Wand and Setup**- Upgrading the standard Hunter X2 controller with the Wi-Fi Wand allows for the ability to connect to your home's Wi-Fi connection. Control your sprinkler system from your smart phone, tablet, or web browser when on the go, or from home. Hydrawise also saves water by adjusting your sprinkler's watering schedule by monitoring local weather conditions making a rain sensor unnecessary. Not only does it stop waterings if it has rained, but it also knows the weather upcoming to prevent watering before predicted rainfall. Upgrade to Hydrawise with the wand that includes setup online from Green Lawn for \$250.

**PGP-PRB**- The Hunter PRB rotor is an extension of the PGP rotor that will take the normal incoming pressures of 50-100 psi and reduce them down to 45 psi. In return the lower pressure applies water at a slower rate producing larger water droplets that fight windy conditions, and most importantly will save water. Lower psi also helps with runoff and allows for the water to slowly soak in and is especially great for sloped areas. This sprinkler head has a long distance spray like the regular PGP rotor and could be substituted with the optional upgrade.

**MP Rotator**- The MP rotator is similar to the PRB rotor in the sense that it reduces the pressure coming out of the sprinkler head. When the MP rotator is paired with the Hunter Pro Spray PRS40 body the psi is reduced to 40. In return it saves water, will help with runoff, and allows for the water to slowly soak in. While the MP rotator has the ability to throw long distances, it is best suited for smaller areas where the distance is not needed. This sprinkler head is a good optional upgrade over the traditional Hunter Pro Spray.