The WaterSwitch is a very affordable method of making a conventional irrigation controller “SMART”. The system will prevent irrigation cycles when the soil moisture is wetter than the adjustable set point. Scheduling adjustments can be made at the controller for other irrigation zones to accommodate their individual watering needs. Four set points allow for variations in plant and soil type.

Features:
- Makes existing controllers “SMART”
- Suspends irrigation cycles based on soil moisture status
- Easy to install and use
- 4 position switch for variations in plant demand and soil type
- Requires no seasonal adjustments

**WaterSwitch Control Module — WS1**

**Specifications —**

**COMPATIBILITY:** The WS1 requires a “sensor” port or wire connection on the irrigation controller. It will work with normally open or normally closed switch requirements. The WS1 can be used in combination with other climatic sensors (rain, freeze, etc.). The power source must be constant (not switched).

**POWER REQUIREMENTS:** Input voltage – 24 volt AC

**WIRE LEADS:** 20 AWG x 12 in. (30 cm)

7 leads — 2-sensor, 2-power, 3-switch (normally open/closed)

**MATERIALS:** ABS plastic case with encapsulated electronics for outdoor operation

**DIMENSIONS —**

**HEIGHT:** 2 in. (51 mm) – 3.125 in. (79 mm) including mounting tabs

**WIDTH:** 2.125 in. (54 mm)

**DEPTH:** 1.250 in. (32 mm) including knob

**WEIGHT:** .438 lb. (199 g) — total kit weight includes one #200SS-X sensor

**SETTINGS:** OFF and 1 (wet) through 4 (dry)

**200SS-X Sensor**

**Specifications —**

**MATERIALS:** ABS plastic caps with stainless steel body over a hydrophilic fabric covered granular matrix with embedded stainless steel electrodes.

**DIMENSIONS —**

**DIAMETER:** .875 in. (22 mm)

**LENGTH:** 3.00 in. (76 mm)

**WIRE LEADS:** 20AWG x 6 in. (15 cm) – 2 leads

**WARRANTY:** One year

**ORDERING INFORMATION:** Catalog #WS1 – WaterSwitch includes one WS1 module, one 200SS-X sensor, two waterproof wire connectors and instructions in a clear plastic display package.
WS1 Wired to Sensor Terminal of Controller

- GREENS to Sensor
- BLACK to 24 VAC
- WHITE to 24 VAC
- YELLOW to Sensor Terminal
- BROWN to Sensor Terminal (for closed switch to irrigate)
  - OR -
- BLUE to Sensor Terminal (for open switch to irrigate)

WS1 Wiring Multiple Sensors to Single Controller

Wire multiple sensors in series so all devices have to be in the correct position to allow irrigation, but any one of them can change state to stop irrigation.

- GREENS to Sensor
- BLACK to 24 VAC
- WHITE to 24 VAC
- YELLOW to Sensor Terminal
- BROWN to Sensor Terminal (for closed switch to irrigate)
  - OR -
- BLUE to Sensor Terminal (for open switch to irrigate)