The Bypass Switch Box for rain, wind or freeze sensors is an easy way to give any automatic controller bypass capabilities for its remote sensors. During system servicing or troubleshooting it is often necessary to bypass any sensors, and for the end user it provides an easy way to put their irrigation system in a manual mode, independent of sensor control.

Mounting

The box may be mounted quickly and easily by using the adhesive tape on the back. Simply peel the liner off and press the box to any smooth, clean and dry surface. The side of the timer-controller box itself might be a suitable location or just to the side of the controller so the switch box is visible. If desired, the box can be screwed to a surface by using the two mounting holes located at the top and bottom of the box.

Wiring

One wire of the Bypass Switch Box needs to be connected along one leg of the sensor anywhere between the common terminal on the controller and the sensor. The other wire of the Bypass Switch Box is connected along the second leg of the sensor that leads to the solenoid valves (Figure 1). If possible, make the wire connections using the "T-Tap" connectors as shown (Figure 2). Simply lay the wire in the channel and close down the top half with pliers. No wire stripping is required. Any wire size between 20 and 14 AWG can be inserted in the T-Tap. The T-Tap can also be used to make an extension if necessary.

Operation

Put the Bypass Switch in the "Auto" position for normal sensor control of the system. Putting the switch in "Bypass" position closes the circuit to the solenoid valves independent of the rain sensor switching.

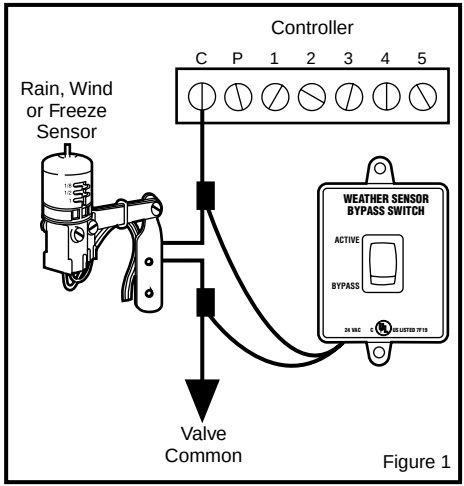

Figure 1

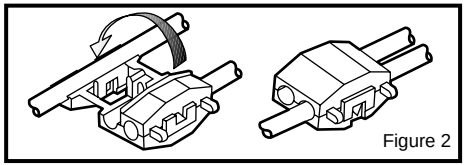
Figure 2

Specifications

Weight: 1.6 ounces

Wire: Two Ft. #18 AWG, included

Overall Switch Box Rating: UL Listed 24 Volt (with supplied wire)

Component Switch Rating: 4 amps @ 125 VAC, 2 amps @ 250 VAC

Electrical Life: 10,000 make-and-break cycles at full load

Mechanical Life: 100,000 cycles min.

Insulation Resistance: 10 million ohms min.

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