

Wiring to Your Irrigation System

IMPORTANT: The standard model Mini-Clik is sold and designed for hooking up to 24-volt irrigation controllers only. For wiring to 110- or 220-volt irrigation controllers, consult your distributor or the factory. All wiring must conform to National Electrical Code or applicable local codes. For model Mini-Clik-C: **WARNING!** This unit is designed to be installed in conjunction with 24 VAC circuits only. Do not use with 110 or 220 VAC circuits.

Other Controllers

The two most common situations are shown below. For non-standard wiring situations, consult your distributor or request our non-standard wiring information packet.

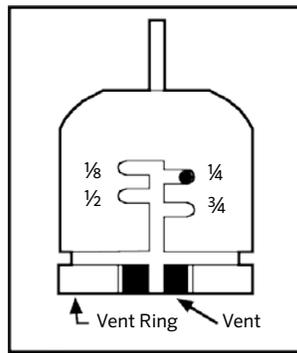
Operation Check to Verify Correct Wiring

Turn on one zone of the irrigation system that is visible while you are in reach of the Mini-Clik. Manually depress the spindle at the top of the Mini-Clik until you hear the switch “click” off. The sprinkler zone should stop instantaneously. If it does not, check wiring for correctness. It is not necessary to “wet” test the Mini-Clik, although it will test the operation accurately, if desired.

Adjustments and Operation

The Mini-Clik can keep the irrigation system from starting or continuing after rainfall quantities of $\frac{1}{8}$ ", $\frac{1}{4}$ ", $\frac{1}{2}$ ", and $\frac{3}{4}$ ". To adjust it to the desired shut-off quantity, rotate the cap on the switch housing so that the pins are located in the proper slots (Figure 4). Do not forcibly twist the cap, as this could break the pins. The time that it takes the Mini-Clik to reset for normal sprinkler operation after the rain has stopped is determined by weather conditions (e.g., wind, sunlight, humidity).

These conditions will determine how fast the hygroscopic discs dry out. Since the turf is also experiencing the same conditions, their respective drying rates will roughly parallel each other. This means when the turf needs more water, the Mini-Clik is already reset to allow the sprinkler system to go at the next scheduled cycle. There is an adjustment capability on the Mini-Clik that will slow down the reset rate. By turning the “vent ring” (Figure 4) to completely or partially cover the ventilation holes, the hygroscopic discs will dry more slowly. This adjustment can compensate for an “overly sunny” installation location, or peculiar soil conditions. Experience will best determine the ideal vent setting.



Bypassing the Sensor

On Hunter controllers, move the rain sensor switch to “Bypass.” *Note: Using the “manual” switch on non-Hunter controllers typically will not bypass the sensor.*

Maintenance

There is no required maintenance for the unit. The Mini-Clik does not have to be removed or covered for winterizing purposes.

Troubleshooting

Follow these simple checks first before assuming the unit is bad and replacing it. If the system will not come on at all:

- First, check to see that the Mini-Clik discs are dry and the switch “clicks” on and off freely by pressing the top of the spindle.
- Next, look for breaks in the wire leading to the Mini-Clik and check all wire connections.
- Finally, if the Mini-Clik is dry and the wire leading to it is good, check the Mini-Clik switch by nicking the insulation of the two “outer” wires near the unit to expose copper. Turn one sprinkler zone on, and apply a “jumper wire” across the two exposed wires. If the sprinkler now comes on, the switch is bad. Wrap all nicked wires with electrical tape.

If the System Will Not Shut Off Even After Heavy Rainfall

- Check wiring for correctness (see “Operation Check to Verify Correct Wiring”).
- Check the sensitivity setting (move the cap to a more sensitive setting). The Mini-Clik is an accurate rain gauge and can be verified by setting up a tube-type rain gauge in the same vicinity and making periodic readings.
- Is the rainfall actually hitting the Mini-Clik? Check for obstructions to rainfall (e.g., overhangs, trees, or walls).

