

Troubleshooting Guide

Problem	Cause	Solution
The controller repeats itself or continuously waters, even when it should not be on (cycling repeatedly).	Too many start times (user error).	Only one start time per active program is required. Refer to “Setting Program Start Times” on page 20.
There is no display.	Check AC power wiring.	Correct any errors.
The display reads “SP ERR”.	Electrical noise is entering the system.	Check the SmartPort® wiring harness. Verify that the red wire is attached to the AC1 terminal, the white wire to the AC2 terminal and the blue wire to the REM terminal. If the wires were extended then they will need to be replaced with shielded cable. Contact your local distributor for information on shielded cable.
The display reads “P ERR”.	There is a fault in the pump start, master valve, or the wiring for the pump start/master valve.	Check the master valve or pump start wire for continuity. Replace or repair the shorted wire. Check that all wire connections are good and watertight.
The display reads a station number and ERR, such as “2 ERR”.	There is a fault in the station solenoid, or the station wiring.	Check the station wire for continuity. Replace or repair shorted wire. Check that all wire connections are good and watertight.
The display reads “NO AC”.	There is no AC power present (the controller is not receiving power).	Check to see if the transformer is properly installed.

Troubleshooting Guide *(continued)*

Problem	Cause	Solution
The display reads “SENSOR OFF”.	The rain sensor is interrupting irrigation or the sensor jumper is not installed.	Slide the Rain Sensor switch on front panel to the BYPASS position to bypass rain sensor circuit, or install the sensor jumper.
Rain sensor will not shut off system.	Incompatible rain sensor or the jumper was not removed when sensor was installed.	Make sure sensor is micro-switch type such as Mini-Clik®. Check that the jumper has been removed from the SEN terminals. Confirm proper operation (see “Testing the Weather Sensor” on page 15).
	Manual Single Station Mode Used.	Manual Single Station Mode will override the sensor. Use Manual All Station Mode to test sensor.
The controller does not have a start time for each station.	Programming error, dial in incorrect position.	Be sure the dial is in correct position. Total number of stations can be easily checked by placing dial in the RUN TIMES position and pressing the back arrow.
Valve will not turn on.	Short in wiring connections.	Check field wiring.
	Bad solenoid.	Replace solenoid.