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Products: X-Core [1]
Topics: Troubleshooting

Problem	Cause
The controller is continuously watering	Too many start times have been programmed
	Solution
	Only one start time is necessary to activate a program. The Start Time numbers do not represent station numbers.

Problem	Cause
There is no display	Check AC power wiring
	Solution
	Correct any errors

Problem	Cause
The display reads "No AC"	There is no AC power present (the controller is not receiving any power)
	Solution
	Check to see if the transformer is properly installed. Make sure outlet or power supply is providing power.

Problem	Cause
Display reads "Off, "	The rain sensor is interrupting irrigation or the sensor jumper has been removed
	Solution
	Slide the rain sensor bypass switch to the BYPASS position to bypass the rain sensor circuit, or reinstall the jumper

Problem	Cause
Rain sensor will not shut off the system	• Defective rain sensor • Jumper was not removed when sensor was installed • Stations have been programmed to override the sensor
	Solution

- Verify operation of rain sensor and proper wiring
- Remove jumper from the sensor terminals
- Reprogram the sensor override to enable the sensor

Problem	Cause
Frozen display, or showing incorrect information	Power surge
	Solution
	Reset the controller

Problem	Cause
Display shows "ERR" with a number (1 to 8)	Short in valve wiring circuit, or faulty solenoid on the station number indicated
	Solution
	Check wire circuit or solenoid for the valve number indicated - Repair short or replace solenoid. Press any button to clear the "ERR" from the display

Problem	Cause
Display shows a station is running but the and icons are flashing	The sensor is interrupting irrigation, however the station has been programmed to override the sensor
	Solution
	Check the sensor override status

Problem	Cause
Automatic irrigation does not start at the start time and controller is not in the System Off mode	• AM/PM of time of day not set correctly • AM/PM of start time not set correctly • Start Time is disabled (set for Off) • Controller is not receiving AC power
	Solution
	• Correct AM/PM of time of day • Correct AM/PM of start time • See Setting Program Start Times • Check AC power connections

Problem	Cause
The display shows dashes when the dial is in the Solar Sync Settings position	• The Solar Sync sensor is not connected to the controller • The Solar Sync sensor wires may have a break in them or a bad connection
	Solution

- Connect the Solar Sync to the "SEN" positions on the wiring terminal - The display will then show the Region and Water Adjustment setting
- Check Solar Sync wiring

Problem	Cause
Run times for a particular station are too short/too long when using a Solar Sync sensor	Program Run Time too long/short

Solution

Solar Sync provides a global seasonal adjustment to the controller - If a particular station has run times too long or too short, make the appropriate adjustment to the program in the controller - Make sure to change seasonal adjust back to 100% before making changes to program run times - Do this by turning the dial to the Seasonal Adjust position and increasing/decreasing the value to 100%

Problem	Cause
Seasonal Adjust seems low	• Region too high • Water Adjustment too low • Location of Sensor does not allow for full sun

Solution

Increase the value on the Water Adjustment scale (the default setting is 5) - If you max out on the Water Adjustment scale at 10 and still require more seasonal adjustment, move down one Region (from 4 to 3, for example) and start at Water Adjustment setting 5 - Solar Sync will immediately update the Seasonal Adjust on the controller - If it is still too high, repeat the adjustment until the desired seasonal adjust is showing on the controller

Problem	Cause
Seasonal Adjust seems high	• Region too low • Water Adjustment setting too high

Solution

Decrease the value of the Water Adjustment setting. If you minimize the Water Adjustment scale at 1 and still require reduced seasonal adjustment, move up one Region (from 2 to 3, for example) and start at Water Adjustment setting 5 - Solar Sync will immediately update the Seasonal Adjust on the Controller - If it is still too high, repeat the adjustment until the desired seasonal adjust is showing on the controller

Problem	Cause
Solar Sync still sending Seasonal Adjust when Controller Bypass switch is in the "Bypass" position	Solar Sync’s automated Seasonal Adjustment cannot be de-activated by the Bypass switch. The Bypass switch only controls the Rain/Freeze shutoff function of the Solar Sync

Solution

If you want to bypass the Solar Sync Seasonal Adjustment feature, you must uninstall the Solar Sync sensor. See Uninstalling a Solar Sync Sensor

Problem	Cause
After removing the Solar Sync sensor from the controller, the seasonal adjust value cannot be changed manually	The Solar Sync sensor needs to be uninstalled if permanently removing it from the controller Solution After removing the Solar Sync sensor from the controller, turn the knob to Solar Sync Settings. The screen should show dashed lines - The sensor is now uninstalled

Problem	Cause
Display shows “no SS”	• Solar Sync sensor has been disconnected from controller but not uninstalled • Wiring connection from Solar Sync connection is faulty Solution • Uninstall Solar Sync sensor if intent is to permanently remove sensor from controller • Check Solar Sync sensor wiring connection to controller

Problem	Cause
Display shows "P ERR"	• Faulty pump relay or master valve wiring • Incompatible or defective relay or solenoid • Under sized wire to the pump relay or master valve Solution • Check wiring to relay or master valve solenoid. Press any button to clear the "P ERR" from the display • Check electrical specification for the pump relay - Do not exceed controller's electrical rating - Replace if defective • Replace wire with larger gauge wire

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