

UFS Corporation

330 North 400 East
Valparaiso, IN 46383-9704 USA
PH: 219-464-2027 FAX: 219-464-8646
www.ufsc.com
email: service@ufsc.com

Service Reference

Topic: UF Monitor System Panel

This guide can help identify and solve problems with UF Machines equipped with the UF Monitor System from UFS. It is meant to be a supplement to the Getting Started Guide Bulletin 994310.

Problem	Possible Cause	Remedies
1. Motor will not start	<ul style="list-style-type: none">- 24 volt I/O fuse is blown (back of front panel door)- motor overload relay has tripped- clean fluid is temperature is > 49 deg C- clean tank level is low	<ul style="list-style-type: none">- replace fuse- locate and correct reason for overload trip, reset overload relay- wait till cooler or exchange cleaning fluid- reduce turbulence of clean return that is pushing float down- fix piping leak, cracked open valve, valve handle mis-installed, etc
2. Display shows no flow from UF Module	<ul style="list-style-type: none">- flow sensor wire has a loose wiring connection- flow sensor paddle wheel is blocked- UF Element permeate production is very low- PLC ladder program has malfunctioned- air bubbles are entrained in the permeate- flow sensor has failed	<ul style="list-style-type: none">- investigate & fix- remove blockage- replace UF Element- Hook up laptop and investigate- wait for the bubbles to pass- check for 0 – 10 V dc signal (between black & white wires), if no signal replace flow sensor
3. Display shows a very high turbidity level and the permeate is clear	<ul style="list-style-type: none">- turbidity sensor has a loose wiring connection- turbidity optics have been obscured by paint solids- air bubbles are entrained in the permeate- PLC ladder program has malfunctioned	<ul style="list-style-type: none">- investigate & fix- Remove sensor, clean, replace- wait for the air bubbles to pass- Hook up laptop and investigate
4. Display shows a Low tank level pump shut down notice	<ul style="list-style-type: none">- Low tank level- excessive tank turbulence	<ul style="list-style-type: none">- investigate and correct- redirect return line, slightly lower float switch, make baffle to protect
5. Display shows a high temperature pump shut down notice	<ul style="list-style-type: none">- no cooling water- cooling water solenoid not working- serpentine coil is blocked	<ul style="list-style-type: none">- fix chilled water supply- replace coil or entire valve- clean inside of serpentine coil with de scaling agent
6. Cooling circuit does not appear to be working	<ul style="list-style-type: none">- 24 V DC output fuse(s) are blown	

Problem	Possible Cause	Remedies
7. PLC buttons do not appear to be working	- PLC has been corrupted - PLC has locked up	- re-install PLC program - Shut off and turn back on after 30 seconds
8. Green Power button does not light up	- AC Transformer has failed - lamp has failed	- replace fuse(s), or replace entire unit - replace lamp
9. PLC display does not start up	- 24 V DC transformer has failed - 110 V input is not present	- replace unit - replace fuses, or entire high voltage transformer unit

For more information see the original manual that came with the equipment or call UFSc at the phone number shown above.