

Reactor Electronics



Before performing any troubleshooting procedures:


1. Relieve pressure, page 26.

2. Turn main power OFF



3. Allow equipment to cool.

Try the recommended solutions in the order given for each problem, to avoid unnecessary repairs. Also, determine that all circuit breakers, switches, and controls are properly set and wiring is correct before assuming there is a problem.

PROBLEM	CAUSE	SOLUTION
Both sides of display do not illuminate.	No power.	Plug in power cord. Turn disconnect ON 
	Low voltage.	Ensure input voltage is within specifications, page 49.
	Loose wire.	Check connections, page 49.
	Display disconnected.	Check cable connections, page 49.
Temperature display does not illuminate.	Display disconnected.	Check cable connections, page 49.
	Display cable damaged or corroded.	Clean connections; replace cable if is damaged.
	Defective circuit board.	Swap display connection to motor control board with connection to heater control board. If temperature display illuminates, heater control board is causing problem. Otherwise, display cable or display is failing.
Pressure display does not illuminate.	Display disconnected.	Check cable connections, page 49.
	Display cable damaged or corroded.	Clean connections; replace cable if is damaged.
	Defective circuit board.	Swap display connection to motor control board with connection to heater control board. If pressure display illuminates, motor control board is causing problem. Otherwise, display cable or display is failing.
Erratic display; display turns on and off.	Low voltage.	Ensure input voltage is within specifications, page 49.
	Poor display connection.	Check cable connections, page 49. Replace damaged cable.
	Display cable damaged or corroded.	Clean connections; replace cable if is damaged.
	Display cable not grounded.	Ground cable, page 49.
	Display extension cable too long.	Must not exceed 100 ft (30.5 m)
Hose display reads OA at startup.	FTS disconnected or not installed.	Verify proper installation of FTS (see Operation manual 312065), or adjust FTS to desired current setting.

Electric Reactors - Troubleshooting - Reactor Electronics

Troubleshooting

PROBLEM	CAUSE	SOLUTION
Display does not respond properly to button pushes.	Poor display connection.	Check cable connections, page 49. Replace damaged cable.
	Display cable damaged or corroded.	Clean connections; replace cable if is damaged.
	Ribbon cable on display circuit board disconnected or broken.	Connect cable (page 49) or replace.
	Broken display button.	Replace, page 49.
Red stop button does not work.	Broken button (fused contact).	Replace, page 49.
	Loose wire.	Check connections, page 49.
Fan not working.	Blown fuse.	Verify with ohmmeter; replace if necessary (page 49).
	Loose wire.	Check fan wire.
	Defective fan.	Replace, page 49.