



Basic SeptiTech Alarm Troubleshooting M400/M550/750 Residential Units

(Standard, UV and Denite)

Alarm	Description	Problem	Solution
High Float Alarm	High Float stayed on for 7200 seconds (default Alarm Delay)	1. High Float Hung Up- Won't Fall Back Freely	Move Float to Allow Free Access
		2. Discharge Line Broken/Unhooked	Outside of Processor - Excavate & Repair Pipe
		3. Discharge Line Blocked/Frozen	Outside of Processor - Clear Line or Excavate
		4. Continuous High Flow in Excess of Design	Reduce Flow to normal, Check Infiltration
		5. Float Failed	Replace Float
		6. X0 Input Failed on PLC	Replace PLC
Low Float Alarm	High Float came on while Low float stayed off	1. Low Float Hung Up- Not able to raise freely	Move float to allow free access
		2. X1 Float Input Failed on PLC	Move Wire #4 from X1 to X7, or Replace PLC
		3. Float Failed	Replace Float
Discharge Alarm	Discharge Pump told to run but no feedback	1. Circuit Breaker Tripped.	Reset Breaker. Or, Replace Pump or Breaker
		2. Failed Neutral Connection	Check Connections
		3. Relay Failed	Check Voltage out of Relay
		4. Failed Current Sensor	Replace Current Sensor
		5. Pump Failed Open Windings	Replace Pump
		6. Household Circuit Breaker Off	Turn on Circuit
		7. X3 Input Failed On PLC	Replace PLC
Recirculation Alarm	Recirculation Pump told to run but no feedback	1. Circuit Breaker Tripped	Reset Breaker. Or, Replace Pump or Breaker
		2. Failed Neutral Connection	Check Connections
		3. Relay Failed	Check Voltage out of Relay
		4. Failed Current Sensor	Replace Current Sensor
		5. Pump Failed Open Windings	Replace Pump
		6. Household Circuit Breaker Off	Turn on Circuit
		7. X4 Input Failed On PLC	Replace PLC
		8. Thermal Trip	Add Water, Check Floats levels
Pump Back Alarm	Pump Back Pump told to run but no feedback	1. Circuit Breaker Tripped	Reset Breaker. Or, Replace Pump or Breaker
		2. Failed Neutral Connection	Check Connections
		3. Pump Failed Open Windings	Replace Pump
		4. Relay Failed	Check Voltage out of Relay
		5. Failed Current Sensor	Replace Current Sensor
		6. Household Circuit Breaker Off	Turn on Circuit
		7. X5 Input Failed On PLC	Replace PLC
Denite Alarm	Denite Pump told to run but no feedback	1. Circuit Breaker Tripped.	Reset Breaker. Or, Replace Pump or Breaker
		2. Failed Neutral Connection	Check Connections
		3. Pump Failed Open Windings	Replace Pump
		4. Relay Failed	Check Voltage out of Relay
		5. Failed Current Sensor	Replace Current Sensor
		6. Household Circuit breaker Off	Turn on Circuit
		7. X6 Input Failed On PLC	Replace PLC
UV Fault	No feedback from UV	1. Fuse Blown	Replace Fuse if continues Change Ballast
		2. UV Bulb and/or Ballast failed	Replace Bulb and/or Ballast, Check Sleeve
		3. Failed Current Sensor	Replace Current Sensor
		4. X6 Input Failed On PLC	Replace PLC
		5. Household Circuit Breaker Off	Turn on Circuit
Alarm, No Fault Screen	Alarm sounding, reset button ineffective	1. F1 or F2 Fuse Blown	Replace Fuse if Continues Check for Shorts
		2. Failed Neutral Connection	Check Connections
		3. PLC Stalled	Cycle Power
Alarm with Fault Screen	Alarm sounding, reset button ineffective	1. F2 Fuse Blown	Replace Fuse if Continues Check for Shorts
		2. Failed Neutral Connection	Check Connections
		3. PLC Stalled	Cycle Power
		4. Button Failed	Replace Button