

Orenco Control Panel Troubleshooting

Symptom	Check For
Pump does not operate with control panel toggle switch in "MANUAL" or "AUTO" position	<ul style="list-style-type: none"> • Pump circuit breaker off/fuse blown • Low-level alarm condition in tank • High-level alarm condition at discharge pump (residential ASF or SSF control panels only) • Inadequate power supply to control panel • Incorrect float switch wiring <ul style="list-style-type: none"> • Incorrect pump wiring • Incorrect model of "Redundant Off" float switch • Failed "Redundant Off" float switch • Failed connection in the pump wiring circuit • Failed motor contactor
Pump operates with control panel toggle switch in "MANUAL" position, but does not operate with switch in "AUTO" position	<p>Demand-Dose or Timed-Dose Panels:</p> <ul style="list-style-type: none"> • Low-level alarm condition in tank (VCOM and TCOM panels only) • High-level alarm condition at discharge pump (MVP and TCOM panels only) • Incorrect float switch wiring • Incorrect float switch model(s) • Failed "On" float switch <p>Timed-Dose Panels Only:</p> <ul style="list-style-type: none"> • "Off" time has not elapsed (the pump will start when the "Off" cycle is complete) • Failed float switch
Audible alarm activated	<p>Low-Level Alarm</p> <ul style="list-style-type: none"> • Control panel toggle switch in "Manual," position, pump left running • Tank pumped out with no refill • Siphoning condition in tank • Leaking tank (exfiltration) • Clogged filter • Incorrect float switch wiring <ul style="list-style-type: none"> • Incorrect float switch settings • Incorrect model of "Redundant Off" float switch • Failed "Off" or "Redundant Off" float switch • Water in splice box (low-decibel alarm) <p>High-Level Alarm</p> <ul style="list-style-type: none"> • Control panel toggle switch in "Off" position • Pump circuit breaker in "Off" position • Closed discharge ball valve • Failed pump • Clogged pump • Incorrect float switch settings • Incorrect float switch wiring <ul style="list-style-type: none"> • Incorrect model of "High-Level Alarm" float switch • Failed "On" or "High-Level Alarm" float switch • Power outage • Leaking tank or fixtures (infiltration) • Water in splice box (low-decibel alarm)
Circuit breaker trips repeatedly or fuse blows repeatedly	<ul style="list-style-type: none"> • Water in splice box • Inadequate power supply to circuit breaker • Loose wiring connections • Corroded wires or wiring connections <ul style="list-style-type: none"> • Bound pump • Incorrect pump wiring • Incorrect capacitor pack wiring • Incorrect float switch wiring
Motor contactor "chatters"	<ul style="list-style-type: none"> • Corroded contacts • Inadequate voltage supply to motor contactor • Failed "On" or "Off" float switch • Incorrect float switch model(s)