

Adenus Technologies SC1-RO ETM Troubleshooting - Quick Reference Guide

Symptom:	Possible Cause:	Remedy:
<p>1. Control panel not powering on properly.</p>	<p>A. SC1-RO ETM panel not properly wired for power.</p> <p>B. There is no dedicated neutral wire.</p> <p>C. Power supply is not turned on.</p>	<p>A. 10-2 gauge wire with a ground required for power to SC1-RO ETM. Black wire to 20A breaker in SC1-RO ETM with a jumper from 20A to 10A breaker. Ground wire (green or bare solid copper wired to grounding lug to right of circuit breakers; neutral (white) wire to N lug on terminal strip.</p> <p>B. Install a dedicated Neutral wire from the breaker panel to the SC1-RO ETM panel and secure it under the “N” lug on the terminal strip in the SC1-RO ETM.</p> <p>C. Turn on the dedicated 30A breaker in the house that supplies power to the SC1-RO ETM and turn on the 10A and 20A breakers in the SC1-RO ETM panel.</p>
<p>2. Pump not working (follow steps for Symptom 1, then proceed).</p>	<p>A. Pump wired to panel incorrectly.</p> <p>B. Pump power cord is loose.</p> <p>C. There is no dedicated neutral wire.</p> <p>D. Pump is bad.</p> <p>E. Pump On/Off float is stuck in the normally-open (down) position.</p>	<p>A. White and black pump wires under lugs 5 and 6 in SC1-RO ETM panel and green pump wire to grounding lug at bottom of panel (make sure that Symptom 1 Remedy B has been installed).</p> <p>B. Remove pump and its pump screen, remove the (4) ½” nuts securing the pump head, and tighten the ¾” pump cord nut in the pump motor.</p> <p>C. Refer to Symptom 1 Remedy B.</p> <p>D. Test continuity in pump with ohmmeter. If pump is bad, replace pump.</p> <p>E. Remove object that is holding down the float (i.e. bundle pump and float wires out of the way of</p>



	<p>F. Bottom float (red, redundant off) float is not closed (in the up position)</p> <p>G. Float(s) is/are bad</p>	<p>the floats).</p> <p>F. Raise bottom (red) float and turn pump toggle switch to “Auto” in SC1-RO ETM panel. If there is enough water in the tank (if middle float is up) the pump should kick on.</p> <p>G. Refer to Remedy 4C.</p>
<p>3. Water not leaving tank when pump is running (refer to Symptom 2 first).</p>	<p>A. Check valve on pump or at service connection is glued shut or faulty.</p> <p>B. Debris is clogging pump, pump lines, or discharge line or the service line has been crushed.</p> <p>C. Ball valve on discharge assembly or service connection is closed.</p> <p>D. There is not enough water in the tank for the pump to suction.</p>	<p>A. Replace check valve and piece back together with Schedule 40 couplings (if PVC) or if bronze simply unscrew the check valve and replace it.</p> <p>B. Inspect listed parts, find problem, and repair using Schedule 40 fittings.</p> <p>C. Open ball valve(s) on pump and/or at tap/service connection.</p> <p>D. Fill tank to brim with water and retry pumping.</p>
<p>4. There is a high level alarm and/or the pump is not turning on when the water level rises.</p>	<p>A. Pump On/Off float is wired incorrectly.</p> <p>B. High Level Alarm was placed below the Pump On/Off float and/or the Redundant Off float on the float tree (floats were installed in improper order).</p> <p>C. Pump On/Off float is bad.</p> <p>D. Pump On/Off float is stuck in the normally-open</p>	<p>A. Wire Pump On/Off float’s white wire to #2 on terminal strip in SC1-RO ETM and the black wire to #4.</p> <p>B. Switch the float wires in the panel with each other. See A. (directly above) then wire High Level Alarm (top float) white wire to #3 and black wire to #4 in SC1-RO ETM. Redundant Off float white wire should be wire to #1 lug in the panel and the black wire should be wired to #4 with the other black float wires.</p> <p>C. Test continuity in float with ohmmeter when float is raised. If float is bad, replace float. Repeat for all floats.</p> <p>D. Refer to Remedy 2E.</p>



	(down) position.	
5. Water is backing up in the house.	A. Pump is not working. B. Float(s) is/are bad. C. Service from house to tank inlet is clogged or blocked.	A. Refer to Symptom 2. B. Refer to Remedy 4C. C. Advise homeowner to contact a plumber to correct the problem.

