

Revision Date: 12/13/2024

Subject: E911 Error Code

Models: CHILLER

Title: Water Flow Switch "Open" Error

Issue

Water flow switches "Open" Error. Less water flows than the minimum water flow. Check the pump's state of the operation. The system will check for water flow 6 times before hard lockout.

Troubleshooting Steps

1. Make sure the water circulating pump is operating
2. Check pressure drop across heat exchanger and verify proper gallons per minute (GPM) are flowing through heat exchanger. Refer to Technical Data Book (TDB) for pressure drop charts

[Hyperlink to Chiller TDB](#)

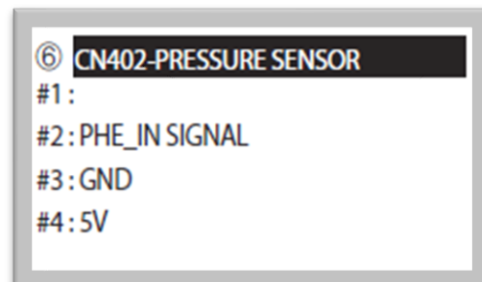
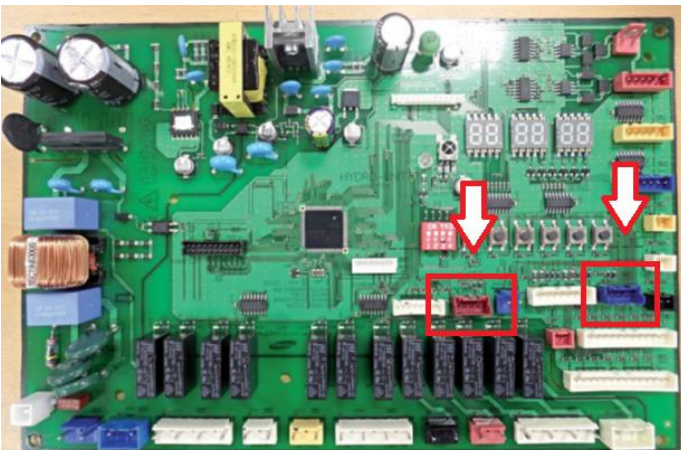
3. Verify there are no closed flow control valves, isolation valves or bypass valves
4. Verify that strainer is clear
5. After verifying proper water flow, locate and test pressure transducers for inlet and outlet of heat exchanger located on the hydro board utilizing transducer charts below

High Pressure		High Pressure		High Pressure		High Pressure	
Vout	PSIG	Vout	PSIG	Vout	PSIG	Vout	PSIG
0.5	0	1.5	181	2.5	363	3.5	544
0.6	18	1.6	199	2.6	381	3.6	562
0.7	36	1.7	218	2.7	399	3.7	580
0.8	54	1.8	236	2.8	417	3.8	598
0.9	73	1.9	254	2.9	435	3.9	616
1.0	91	2.0	272	3.0	453	4.0	635
1.1	109	2.1	290	3.1	471	4.1	653
1.2	127	2.2	308	3.2	490	4.2	671
1.3	145	2.3	326	3.3	508	4.3	689
1.4	163	2.4	344	3.4	526	4.4	707
						4.5	725

High Pressure Chart

Low Pressure		Low Pressure		Low Pressure		Low Pressure	
Vout	PSIG	Vout	PSIG	Vout	PSIG	Vout	PSIG
0.5	0	1.5	73	2.5	145	3.5	218
0.6	7	1.6	80	2.6	152	3.6	225
0.7	15	1.7	87	2.7	160	3.7	232
0.8	22	1.8	94	2.8	167	3.8	239
0.9	29	1.9	102	2.9	174	3.9	247
1.0	36	2.0	109	3.0	181	4.0	254
1.1	44	2.1	116	3.1	189	4.1	261
1.2	51	2.2	123	3.2	196	4.2	268
1.3	58	2.3	131	3.3	203	4.3	276
1.4	65	2.4	138	3.4	210	4.4	283
						4.5	290

Low Pressure Chart



Molex pin connections

Proper Personal Protective Equipment (PPE) Required. These photos may not represent your exact system.
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