

8.3 Troubleshooting using stored diagnostic codes with the SCC thermostat

8.3.1 Diagnostic codes

8.3.1.1 Diagnostic code definitions

3 STAR HEATERS					
Code No	Description	Shut down type	SCC display	Detailed description	
	1	P-100 closed at start	L1	Reset, 01	8.3.1.2
	2	P-100 failed to close	L1	Reset, 02	8.3.1.3
	3	P-100 open during run	SSD	Normal	8.3.1.4
	7	Ignition failure	L1	Reset, 07	8.3.1.8
	9	Internal memory failure	L2	↘Reset, 09	8.3.1.9
[a]	10	HX OT1 open	SSD/L1	Normal	8.3.1.10
	11	EFS shutdown	SSD/L1	Normal	8.3.1.11
	19	HX OT2 open at start	L2	↘Reset, 19	8.3.1.19

4 & 5 STAR HEATERS					
Code No	Description	Shut down type	SCC display	Detailed description	
	1	P-55 closed at start	L1	Reset, 01	8.3.1.2
	2	P-55 failed to close	L1	Reset, 02	8.3.1.3
	3	P-55 open during run	SSD	Normal	8.3.1.4
	4	Thermistor > 70°C during run	SSD	Normal	8.3.1.5
[a]	5	Thermistor not connected or short-circuit	L1	Reset, 05	8.3.1.6
[b]	6	OT4 open (5 star only)	SSD	Normal	8.3.1.7
	7	Ignition failure	L1	Reset, 07	8.3.1.8
	8	Condensate PS closed at start	L1	Reset, 08	8.3.1.9
	9	Internal memory failure	L2	↘Reset, 09	8.3.1.10
[a]	10	HX OT1 open	SSD/L1	Normal	8.3.1.11
[a]	11	EFS shutdown	SSD/L1	Normal	8.3.1.12
	12	P-100 closed at start	L1	Reset, 12	8.3.1.13
	13	P-100 failed to close	L1	Reset, 13	8.3.1.14
	14	P-100 open > 30 sec during run	SSD	Normal	8.3.1.15
	15	Thermistor in cool location in duct	SSD	Normal	8.3.1.16
	16	Thermistor not installed in outlet duct	L1	Reset, 16	8.3.1.17
[b]	17	Condensate detected during run	SSD	Normal	8.3.1.18
[b]	18	Condensate detected at start	L1	Reset, 18	8.3.1.19
	19	HX OT2 open at start	L2	↘Reset, 19	8.3.1.20

Notes:

- [a] Shut-down type dependent on heater operating status
- [b] 5 star heaters only
- SSD Safety shut down Reset not required
- L1 Lockout 1 User reset from SCC, or
Manual t/stat of-on-of-on, or
Power of – power on
- L2 Lockout 2 Reset from SCC service mode only