

SERVICE AND APPLICATION NOTES

September 27, 2013
H-13-04
Supersedes H-11-05 & H-12-01

SLP98 Pressure Switch Repeated Faults and Associated Repair Parts

We have had reports of repeated pressure switch fault codes on SLP98UH and DF furnaces. Please follow the troubleshooting information below to diagnose and resolve:

- 1-Verify pressure the pressure switch is seeing. Measure with a 2-port manometer at the pressure switch.
- 2- If pressure switch is not closing at the correct pressure, then replace the switch. As a safety device, these components should only be replaced and serviced with approved replacement components.
- 3- If operating pressure is below the switch setting this would not indicate a failed pressure switch but something in the vent and or drain system that needs to be addressed.
- 4- Please verify the furnace is installed using the best practices listed in table 1 below.

Table 1

Venting System	Condensate Drain System	Electrical Supply
Vent is properly sized	Use Lennox provided drain trap	Confirm the unit is electrically grounded
Accelerator installed as required	Confirm the trap is properly installed and the vent has the recommended length of riser	Line voltage is between 102 and 132 VAC
Avoid excessive elbows when possible	Drain pipe should slope ¼" per foot away from the trap	Transformer voltage is between 18 and 30 VAC
Vent pipe sloped ¼" per foot towards the furnace	Unit is installed level	Have accessories such as a humidifier been installed using an isolation relay
	Make sure the drain is not touching the bottom of the condensate pump if so equipped	

If after these checks you are still experiencing difficulties, we suggest the Cold End Header Box (CEHB) be replaced along with the pressure switch. See table 2 for the currently recommended pressure switch and CEHB repair part catalog numbers for all SLP98 units.

Table 2

SLP98 Unit	CEHB	Pressure Switch	High Altitude Pressure Switch
070	95W85	93W76	93W75
090	95W86	93W76	93W75
110	95W87	93W76	93W75
135 (UH only)	95W88	93W76	93W75

