

# SERVICE AND APPLICATION NOTES

January 12, 2012

H-12-01

## SLP98UH and SLP98DF Experiencing Error Codes

We have received reports of various SLP98UH-01 and SLP98DF-01 units giving error codes 223, 224, 225, 227 and 228. To address these codes, verify the unit is installed per the installation instructions paying particular attention to the following:

1. Furnace Levelness – The furnace must be level side-to-side and front to back. If the furnace is out of level, excess condensate can build up in the cold end header box and disrupt the pressure switch
2. Condensate Drain Piping – The condensate cannot drain properly if there are multiple low spots in the tubing. Make sure to pitch the tubing downward to the drain. Make sure the drain trap is installed and vented properly.
3. Vent Pipe Sizing – The vent and air intake piping must be within the lengths published in the installation instructions.
4. Gas Line Pressure – If the line pressure is too low or too high, burner operation can be affected.

If the unit is still experiencing intermittent operation, we recommend you update the unit with the components in table 1 or table 2. You will need the unit model and serial number to select the correct components using the following steps:

1. Find the model number of the furnace.
2. Using the first 5 character of the serial number, select the proper column under "Serial Number".
3. Order the parts listed per the normal warranty process.

If you have any questions, please contact Lennox Technical Support at (800)453-6669.



**Table 1 - SLP98 Upflow/Horizontal Unit**

<b>Unit</b>	<b>Serial Number</b>			
<b>SLP98UH070-01</b>	5910D, 5910G, 5910H, 5910J	5910K	5910L	5910M
Cold End Header Box	86W11			
Drain Elbow	76W24	76W24		
Pressure Switch	74W36	74W36	74W36	
Burner Box Cover	78W60	78W60	78W60	78W60
<b>SLP98UH090-01</b>	5910D, 5910G, 5910H, 5910J	5910K	5910L	5910M
Cold End Header Box	86W12			
Drain Elbow	76W24	76W24		
Pressure Switch	74W36	74W36	74W36	
Burner Box Cover	78W61	78W61	78W61	78W61
<b>SLP98UH110-01</b>	5910D, 5910G, 5910H, 5910J	5910K	5910L	5910M
Cold End Header Box	86W13			
Drain Elbow	76W24	76W24		
Pressure Switch	74W36	74W36	74W36	
Burner Box	78W62	78W62	78W62	78W62
Burner Box Gasket	72W32	72W32	72W32	72W32
<b>SLP98UH135-01</b>	5910D, 5910G, 5910H, 5910J	5910K	5910L	5910M
Cold End Header Box	86W14			
Drain Elbow	76W24	76W24		
Pressure Switch	74W36	74W36	74W36	
Burner Box	78W63	78W63	78W63	78W63
Burner Box Gasket	72W33	72W33	72W33	72W33

**Table 2 - SLP98 Downflow Units**

<b>Unit</b>	<b>Serial Number</b>			
<b>SLP98DF070-01</b>	5910D, 5910G, 5910H, 5910J	5910K	5910L	5910M
Cold End Header Box	86W25			
Drain Elbow	76W24	76W24		
Pressure Switch	74W26	74W36	74W36	
Burner Box Cover	78W60	78W60	78W60	78W60
<b>SLP98DF090-01</b>	5910D, 5910G, 5910H, 5910J	5910K	5910L	5910M
Cold End Header Box	86W26			
Drain Elbow	76W24	76W24		
Pressure Switch	74W36	74W36	74W36	
Burner Box Cover	78W61	78W61	78W61	78W61
<b>SLP98DF110-01</b>	5910D, 5910G, 5910H, 5910J	5910K	5910L	5910M
Cold End Header Box	86W27			
Drain Elbow	76W24	76W24		
Pressure Switch	74W36	74W36	74W36	
Burner Box Cover	78W62	78W62	78W62	78W62
Burner Box Gasket	72W32	72W32	72W32	72W32