

Tech Note - Checking Heat Pump Thermistor Readings

The SV controller measures the heat pump thermistors on the heat pump. These can all be viewed through the diagnostic menu to help confirm operation or issues with the heat pump



fig. 1

SV Series controllers feature hidden diagnostic menu used to troubleshoot and identify issues.

1. To access the diagnostic menu, power on the SV series controller

WARN

2. Simultaneously press and hold: Blower, W.CLN & Light(on/Off) buttons together until [WARN] appears on the display (fig.1)

H.AMB

3. Use the UP or Down arrows to navigate the menu until [H.AMB] is displayed.

20°C

4. Press OK to enter [H.AMB] menu option to view the current Ambient thermistor reading.

e.g.

H.AMB

5. Press OK button to exit the H.AMB reading

H.CON

6. Press the UP arrow until [H.CON] is displayed.

12°C

7. Press OK to enter [H.CON] menu option to view the current Condensor thermistor reading.

e.g.

8. Menu will time out after 10 to 20 seconds

These measurements should be taken while the heat pump is sitting idle and also while running.

Both measurements should be within a couple of degrees when the heat pump is idle and settled.

The H.CON reading should widen out up to approx 5 - 10°C when running (H.CON drops while heating / Rises when Cooling)

The H.AMB value should remain relatively still between sitting idle and running