

Discharge Temperature Thermistor Error

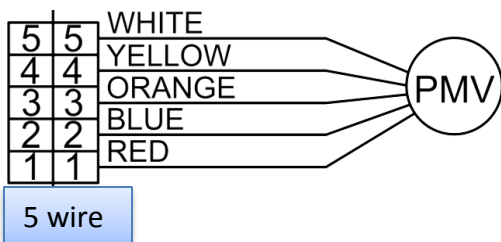
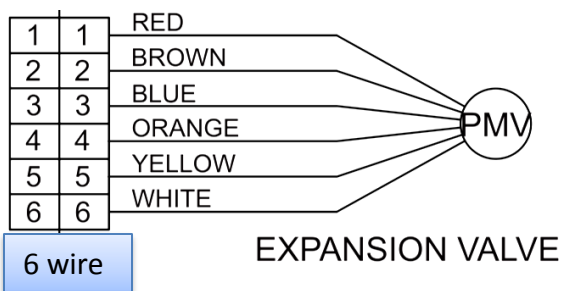
Some examples of a Discharge Temperature Thermistor error on most models:

7x Operation & 2x Timer / 10 Operation & 1x Timer / E:A11 (HFI) / E:A51 (HFI) / 18x LED 1 / E:0F (wired remote)

Conditions:

- Low Charge
- Restrictions
- Defective Electronic Expansion Valve (EEV)

To check running pressure on the system, power off the outdoor unit for 5 minutes. While the power is off check the EEV's resistance and ensure it is operating correctly.



Check Point 2 : Check coil of EEV

• Remove connector, check each winding resistance of Coil.

Read wire	Resistance value
White - Red	$46 \Omega \pm 4 \Omega$ at 20°C
Yellow - Brown	
Orange - Red	
Blue - Brown	

► If Resistance value is abnormal, replace EEV.

Check Point 2 : Check coil of EEV

• Remove connector, check each winding resistance of Coil.

Read wire	Resistance value
White - Red	$46 \Omega \pm 4 \Omega$ at 68°F (20°C)
Yellow - Red	
Orange - Red	
Blue - Red	

► If Resistance value is abnormal, replace EEV.

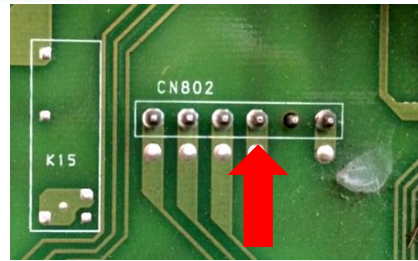
If the EEV's ohm readings are bad replace it. The EEV coil snaps onto the valve. If the EEV is good there is likely a leak in the system. The most common places for leaks are on the flare connections at the indoor and outdoor units. If the EEV coil is good and there is no leak there may be a restriction. Pump down the system and blow the lines out with nitrogen.

Checking for 12 volts DC output from Control Board



Find and use a DC ground on the main control board.

Test on all 6 solder points on the board and verify voltage reads 12-13 volts DC.



On multi-zone systems look for CN802(fan motor) Use pin 3 for DC ground.

Disclaimer:
 In order to perform some of these tests an electrical and/or refrigerant license is required. We strongly advise to check the Service manual for more detailed explanation. If you are not sure about these recommendations please contact us at 866-952-8324.