
SUBJECT:- Uneven or inaccurate room temperature in heating operation.

MODELS EFFECTED:- WS & WMN Wall Mounted split systems.
DS & EMD Ducted units.
UA & EF Cassette units.

SYMPTOM:- In some cases we have had reports on uneven or inaccurate room temperature in heating operation.

GENERAL:- The room sensor is located right on the indoor Coil, (except Cassette units). As the indoor fan turns off completely during the off cycle the indoor coil may have residual heat stored from the last operation. This may effect the reading of the room air sensor if it is too close resulting in a warm room sensor but cold room. To resolve this problem remove the room sensor from its position and relocate it to the following positions:-

Wall Mounted split systems. Remove the room sensor (RED Wires) from its position behind the return air filter and feed the wire through the cavity out the back of the indoor unit and place it out the side of the unit about 5mm where it is measuring the room condition not the coil temperature, bend the wire around the back panel for it to hold this position. The sensor is small enough not to spoil the look of the indoor unit and the wire is rigid enough to hold this position indefinitely.

Ducted units. Remove the room sensor (RED Wires) from its position next to the indoor coil in the return air ductwork. Cut the red wire and extend the wire so it sits behind the filter in the return air grill out of sight. Use shielded cable to extend this wire and earth the shield.

FRESH AIR & OTHER TEMPERATURE INFLUNECES.

The ducted units and Cassette units can have fresh air fitted to these units, this cold (or Hot) air will influence the return air temperature sensor, making room temperatures inaccurate. If fresh air is fitted to these units the room sensor must be moved to a position where it only senses the return air or room temperature.

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SHIFT TEMPERATURE.

There is a two-degree shift temperature in heating mode. This is to compensate in room temperature stratification. If the set point is 21°C the unit will cutout at 23°C as it is mounted in its higher position. If “I Feel Mode” is used this cancels the shift temperature. There is no other way to cancel the shift temperature. If a ducted system has its return air grill mounted low or on the floor this will effect the room temperature by two degrees.

MINIMUM COMPRESSOR RUN TIME.

There is a minimum compressor run time of 10, 5, or 3 minutes depending of what version of software is fitted to the unit. This is not adjustable and may have an effect on the room temperature as it is regardless of the set point and room temperatures.

Compressor run time	Software version
10 Mins	10V3 first release Wall Splits only. This version has the two PCBs
5 mins	10V4
3 mins	10V4 FK9RLON
3 mins	FK14

I FEEL MODE.

Shift temperatures are cancelled in the “I Feel Mode” on the remote controller. In the I feel mode careful attention must given as to the position of the remote control. It must not have any other temperature influences placed on it other than the room air temperature, it must be in a good position where it measures the room temperature (not on a table) and in a position where it can send the temperature reading to the indoor unit or receiver every two minutes. If the indoor unit does not receive this temperature reading from the remote control after 3 mins it will revert to the return air sensor, if in auto mode this may cause a sudden large temp change and could switch the unit straight into cooling mode.

The “I Feel Mode” is a large drain on the remote control batteries. This is why this mode is cancelled when the unit is turned off.

The best position for the remote control if using the “I Feel Mode” is mounted on the wall under the unit or receiver.

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