

Technical Service Bulletin:

Error with Anti Cold Air Indoor Fan Function

Models: IDS2.0 Air Handlers and IDP



BOSCH



Please read this entire document prior to proceeding with any work.



WARNING:

- ▶ This bulletin is intended to provide technical guidance to a professional who is qualified to work on hvac equipment. If you are not qualified to work on such equipment, please obtain the services of such a professional.



WARNING: ELECTRICAL SHOCK

- ▶ Disconnect all power to unit before installing or servicing. More than one disconnect switch may be required to deenergize the equipment. Hazardous voltage can cause severe personal injury or death.

If you have any questions regarding the information provided in this document, please contact your local Regional Sales manager or contact our technical support team at 1-866 642-3198, or via email at AC.techsupport@us.bosch.com.

Background

In an effort to be proactive for our valued contractors, we would like to inform you of a potential issue that has been identified with our IDP and IDS2.0 BVA air source heat pumps. We have determined that in some very specific scenarios, the anti cold air blow functionality is causing the indoor blower to run abnormally long.

Our units have two ways to prevent cold air blow into the home during heating mode. By design, both methods of anti cold air blow functionality are effective in preventing cold air blow in heating mode:

1. By factory default all IDS2.0 air handlers and IDP units use a temperature sensor (T2) located on the evaporator coil to determine when the coil is warm enough to turn the indoor fan on. This function is controlled by the SW6-3 dip switch which is located on the indoor control board. When SW6-3 is in the "ON" position, anti cold air blow is controlled by this T2 sensor.
2. Another option is for anti cold air blow to be controlled using a timed fan delay in heating mode. If the SW6-3 dip switch is turned to the "OFF" position, the indoor fan will operate with a 90 second fan delay in heating mode to prevent cold air blow.

Resolution

Due to an error in the anti cold air blow using the T2 sensor logic, we are recommending contractors to flip the SW6-3 dipswitch to the "OFF" position in the event that the unit is experiencing this abnormal indoor fan behavior. Please follow the below sequence to effectively change the anti cold air function to work with a 90 second fan delay:

1. Turn OFF power to the unit.
2. Flip the SW6-3 dip switch (located on the indoor control board) to the "OFF" position.

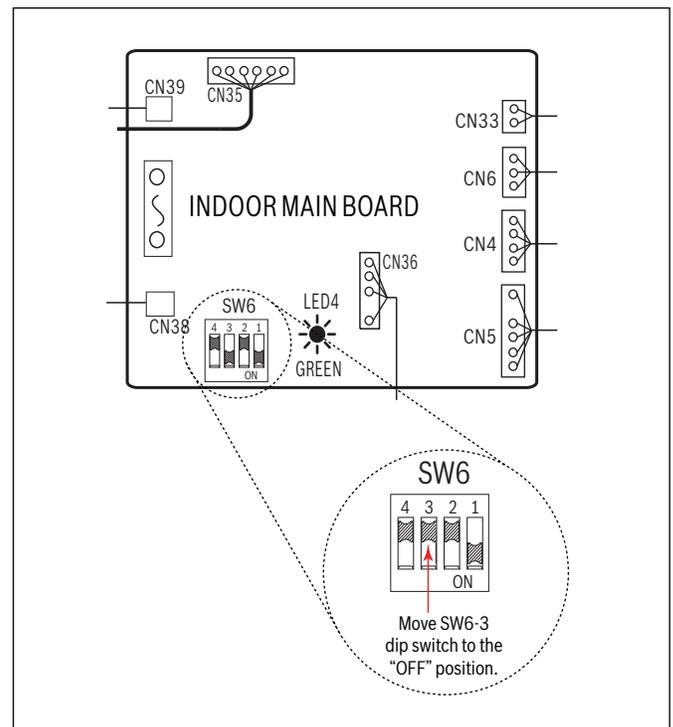


Figure 1

3. Wait 3 minutes.
4. Turn ON power to the unit.
5. Wait 3 minutes. After 3 minutes, give the unit a call for heating.
6. Operate the unit normally, the anti cold air function is now controlled using a 90 second fan delay.