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What is Integrated Dehumidification Solution?

IDS is an easy dehumidification solution that was designed for residential applications. Today's tighter home building envelopes result in a tendency of running higher indoor Relative Humidity in the shoulder seasons due to the fact that the house is not leaky and the AC does not need to run much. We developed this solution for residential applications to help combat high indoor Relative Humidity due to the lack of AC runtime, in order to make the house more comfortable.

What is it Great for?

- Higher performance homes that are tight will run higher indoor Relative Humidity in the shoulder seasons due to a lack of AC runtime
- Markets where this is desired are areas such as the Gulf Coast, Florida, Houston, Georgia, South Carolina

How it Works:

IDS is specific software that is designed to assist in lowering indoor Relative Humidity of the home or space. With this solution, a more expensive whole house ducted dehumidifier and installation is not needed. IDS will run only when necessary and can run independently from an air conditioning call. *IDS will run only if the last call was a cooling call. Future software upgrade will allow IDS to run if the last call was either heating or cooling.

Necessary Components:

- Correctly sized AC or HP outdoor unit
- Indoor VSPD Air Handler (TEM6, TEM8 or TAM9)
- Electric heat strip sized close to the OD unit AC capacity
- IDS enabled 824 or 1050 control (NOT available on 850)
- Model Numbers: Trane: TCONT824AS52DBRHC or TZON1050AC52ZAEHC

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