

Application Note: 3057

Thermostat Interface Settings for Humid Climates

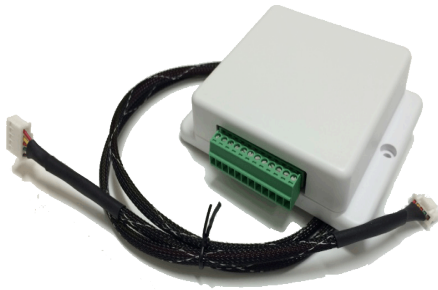
Introduction

The purpose of this Application Note is to illustrate how a Thermostat Interface can be configured to remove more humidity from a space. This is accomplished by locking the fan in Low speed during 1st stage cooling, which gives the system more time to remove humidity from the space, and by locking the fan in Medium or High speed during 2nd stage cooling, which allows the unit to increase its operating speed to meet set point faster.

See the [FAQ](#) for more information on the Thermostat Interface, and see [App Note 3044](#) for more information on two-stage operation.

Required Parts

Thermostat Interface
([PAC-US444CN-1](#))



24 VAC transformer
([VPL24-210](#))



24 VAC Third-party Thermostat
(field supplied)



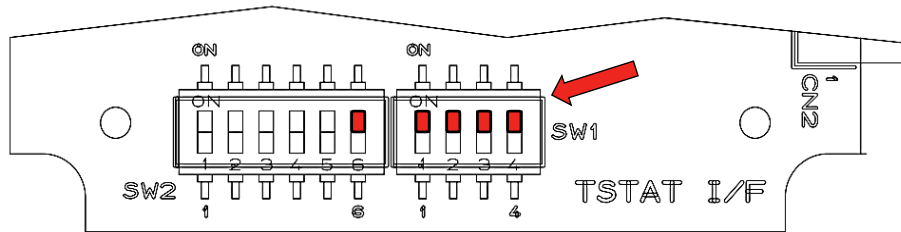
Important Note

The Thermostat Interface is not compatible with the Emerson Sensi 1F87-42WF.

Instructions

Complete the steps below before connecting the Thermostat Interface to the indoor unit.

1. Turn dipswitch SW2-6 ON to enable two-stage cooling and heating.
2. Turn dipswitches SW1-1 and SW1-2 ON to force the fan OFF when set point is met.
3. Turn dipswitches SW1-3 and SW1-4 ON to enable the custom fan speed settings.



4. Connect a wire from the Interface's Y1 terminal to thermostat's Y1 terminal
5. Connect a wire from the Interface's Y2 terminal to the thermostat's Y2 terminal.
6. **Jump** a wire from the Interface's Y1 terminal to the Interface's G1 terminal.
7. **Jump** a wire from the Interface's Y2 terminal to the Interface's G3 terminal.
8. Connect the Interface to the indoor unit using the dedicated cable in the box.

