



Edmonton RV Service

Houghton Air Conditioner Furnace Wiring

Applies to: Dometic Air Conditioners with wall mounted thermostat

Written by Josh | Current as of April 21, 2025

When converting from a Dometic Air Conditioner to a newer Houghton Air Conditioner, a wiring difference exists between the old thermostat and new thermostat. The new Houghton Air Conditioner has a wireless remote to control the temperature and operation, **but the remote does not interface with or control your Furnace, if a Furnace is present in your RV.**

This is in contrast to the original thermostat system where **the wall mounted thermostat controls both the Air Conditioner as well as the Furnace.**

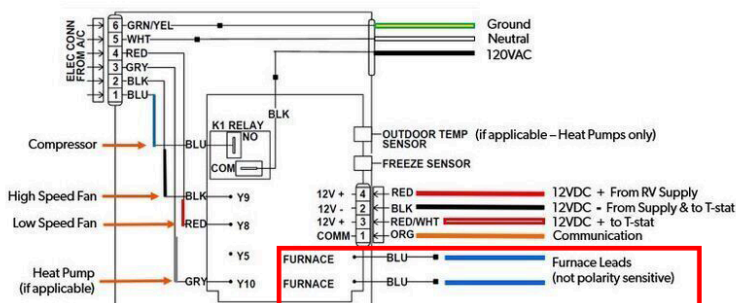
To rectify this, we recommend the installation of a basic analog wall thermostat to replace the combination Air Conditioner/Furnace thermostat. To do so, you will need to follow the following directions:

Replacing a Dometic A/C:



1) Remove the cover for the Air Distribution Box to gain access to the control box inside the air conditioner. The control box will look similar to this box to the left

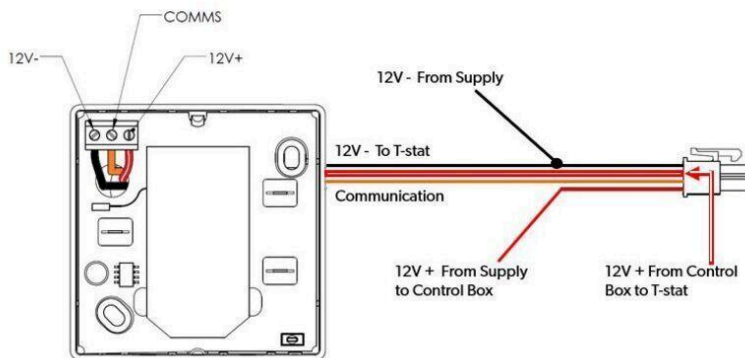
CT/SZLCD Control Box Wiring



2) Plugged into the bottom will be two blue wires - these two wires run to the Furnace in the RV. You can find the location of these wires circled in red in the diagram to the left.

3) Once the wires are located, they will need to be unplugged from the control box and re-routed to the location of the wall thermostat. To do so, you can unplug the 4 wire connector from the control box and use two of these wires to send the thermostat signal.

CT/SZLCD Thermostat Wiring



4) We recommend using the **RED/WHT** and **ORG** wires as these are unpowered when the cable is unplugged.



5) You can then mount the new thermostat to the wall in place of the old thermostat and connect the **RED/WHT** and **ORG** wires to the screw terminals of the new thermostat.