Quick Start Guide

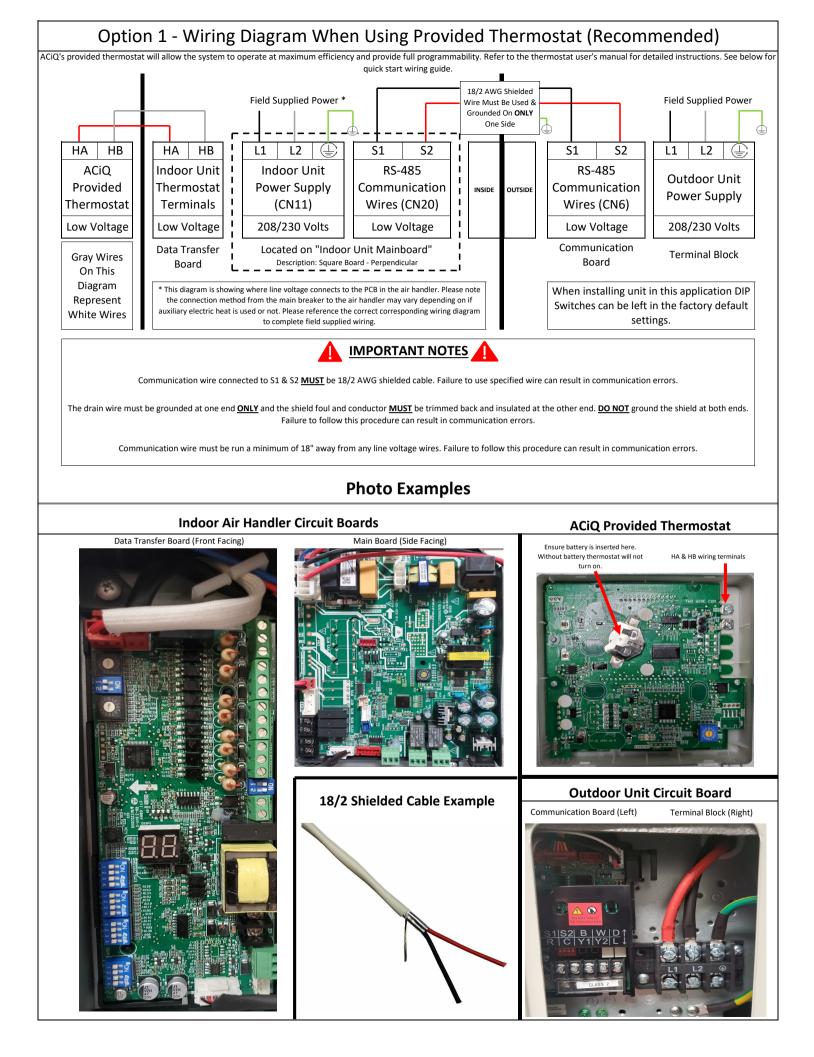
ACiQ Next Gen Ducted Heat Pump System

ACiQ-24-AHB/ACiQ-24-HPB ACiQ-36-AHB/ACiQ-36-HPB ACiQ-48-AHB/ACiQ-48-HPB ACiQ-60-AHB/ACiQ-60-HPB



Thank you for purchasing a Next Gen Heat Pump system from ACiQ. This system gives you the benefits of a variable speed, inverter driven heat pump condenser, combined with a smart air handler with a variable speed blower.

This Quick Start Guide covers how to connect the thermostat to your system and ensure proper communication. It is not meant to replace the entire installation manual. Please reference install manual for in depth instructions.



IMPORTANT INSTALL INFORMATION

24 Volts AC must NEVER be connected to S1 & S2. Doing so will cause irreversible damage to the outdoor communication board.

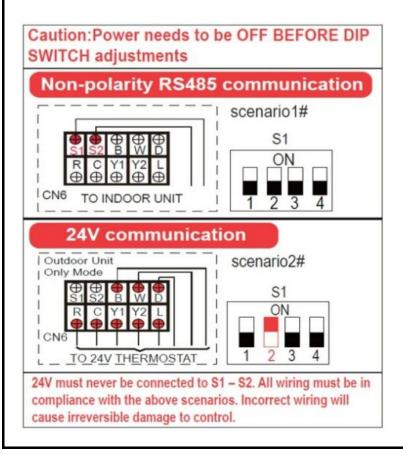


Board will burn out here if 24 volts is connected to S1 & S2.

S1 & S2 MUST be connected here. Do NOT connect 24 volts here. (Top Row)

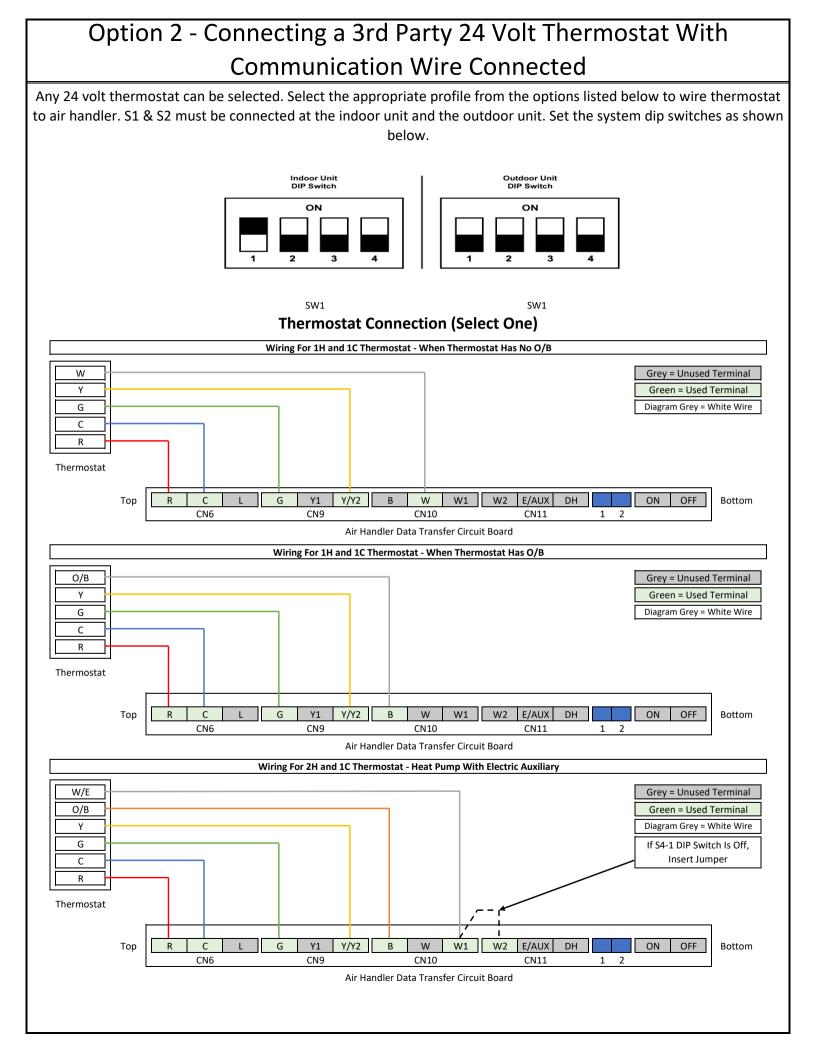
Please verify outdoor unit is receiving 208/240 volts to L1 & L2 as well. L1 & L2 are on a separate terminal block.

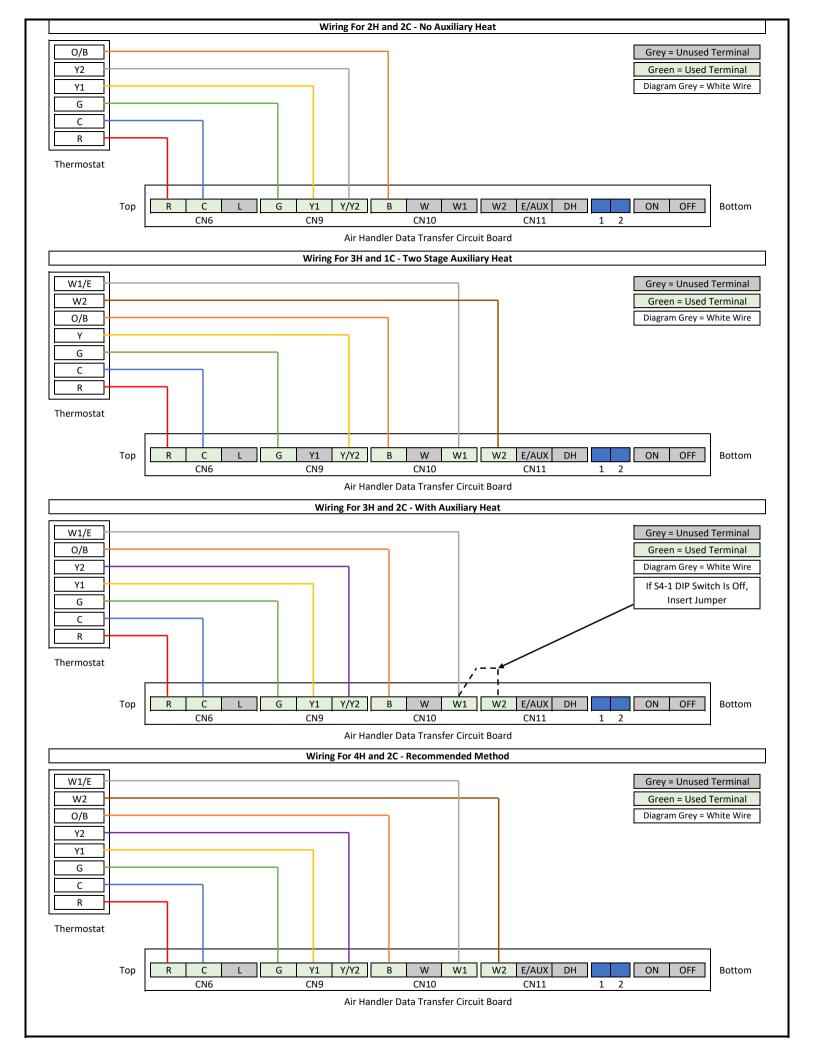
S1 & S2 terminals are on top. R & C terminals are on the bottom.



To address this issue moving forward the new cover will look as shown below. If you have the old version use the picture below for a reference.







AHU DIP Switch Guide

		AHU DIP Switch Gu	ide	
2023 V1.0				
	Function Settings		Default AHU DIP Switch Settings Shown Below	
		Thermostat Communication Method		
SW1-1	OFF	RS-485 Communication. Used For Provided ACiQ Thermostat.	SW1 SW2 SW3 SW4 S4	
	ON	24 Volts. Used For Third Party Thermostats.	ON ON ON ON ON	
SW1-2		Cold Air Prevention - Defrost		
	OFF	Cold Air Prevention Activated - Fan Stops		
	ON	No Cold Air Prevention - Fan Continues To Operate	1 2 3 4 1 2 3 4 1 2 3 4 1 1 2 3 4 1 1 2 3 4 1 1 2 3 4 1 1 2 3 4 1 1 2	
		System Type		
SW1-3	OFF	Heat Pump		
	ON	Cooling Only		
SW1-4		Outdoor System Brand		
	OFF	ACiQ Condenser		
	ON	Third Party Condenser		
		Host Sottings		
		Heat Settings Auxiliary Heat Activation Differential	Delay between 1st stage 8 and stage electric heat is time based	
SW2-1	OFF		Delay between 1st stage & 2nd stage electric heat is time based,	
		4 °F Gap Between T1 & Ts Sensors	not temperature based.	
	ON	2 °F Gap Between T1 & Ts Sensors		
SW2-2	055	Auxiliary Heat Activation Delay	T1 Sensor = Return Air Temp (Room Temp), Ts = Set point	
	OFF	None		
	ON	Yes	l	
SW2-3	0.55	Auxiliary Heat Activation Delay Time	SW2-3 only works if SW2-2 is turned ON.	
	OFF	15 Minute Delay (For Electric Heat)		
	ON	30 Minute Delay (For Electric Heat)		
SW2-4		Heat Source Lock Outs		
	OFF	In This Position Electric Heat Lockout Can Be Set Via ENC2	This sets maximum temperature, anything over this setting locks out.	
	ON	In This Position Compressor Lockout Can Be Set Via ENC2	This sets minimum temperature, anything under this setting locks out.	
S 3	ENC2 Dial Referenced In SW2-4. 16 Digits To Select From (0-9, A-F). Lock Out Range = -4		1 = -4 °F 5 = 10 °F 9 = 25 °F D = 39 °F	
	°F to 46 °F. 0 = 1	No Lock Out, 1 = -4 °F Lock Out, F = 46 °F Lock Out. Each Digit Increases	2 = 0 °F 6 = 14 °F A = 28 °F E = 43 °F	
	Temperature	e By 3.6 °F. Chart Provides Temperature Rounded To Nearest Whole	3 = 3 °F 7 = 18 °F B = 32 °F F = 46 °F	
		Number.	4 = 7 °F 8 = 21 °F C = 37 °F	
		Heat Settings Cont.		
	Ramping Up Algorithm Delay		This sets the maximum continuous runtime allowed before the	
SW3-1	OFF	1.5 Hours (Efficiency)	system automatically stages up capacity. Only applies if 24 volt	
	ON	0.5 Hours (Comfort)	thermostat is being used.	
	ON	Y/Y2 Temperature Differential Adjustment		
SW3-2	OFF		If using 24 volt thermostat this sets compressor speed instead.	
5005-2	OFF	3.6 °F (Efficiency) 1.8 °F (Comfort)	ON = slower, OFF = Faster.	
	UN	W2 Temperature Differential Activation		
SW3-3	055		This DIP switch only works if using the provided communicating	
	OFF	6 °F (Efficiency)	ACiQ thermostat. Otherwise delay is time based.	
	ON	4 °F (Comfort)		
SW4	Electric Heat Nominal CFM Adjustment		OFF = 0, ON = 1.	
	Available settings are 000/001/010/011. Each digit corresponds with an		[ar avample [SWA 1 OFF SWA 2 ON SWA 2 OFF] = 010	
		individual switch position.	For example [SW4-1 OFF, SW4-2 ON, SW4 -3 OFF] = 010	
		Heat Settings Cont.	General Notes	
S4-1		Aux Heat Control	If selected 24 volt thermostat has an E/AUX option and it is used	
	055			
	OFF	W1 & W2 Controlled Separately	to activate heat, all delays will be bypassed.	
	ON	W1 & W2 Not Controlled Separately		
S4-2	055	Dehumidify Control	Nile an equilibrius based in encounting of the offers with some to To the set of the	
	OFF	DH Terminal Available To Be Used DH Terminal Deactivated	When auxiliary heat is energized the fan will run in Turbo Mode.	
1	ON			

IMPORTANT: In order for changes to take effect power must be OFF BEFORE DIP switch changes.

Default setting is OFF except S4.

Please note if using the provided ACiQ thermostat DIP Switch Settings will not need to be adjusted. DIP Switch settings should only be adjusted by a professional HVAC service technician. Please note in this quick start guide the specific DIP Switches that need adjusted will be shown to ensure accurate operation for the chosen set up. For Option 1 nothing needs to be done. For Option 2 please refer to the DIP Switch diagram that shows the correct position of the DIP Switches.