

# Ductless Start-Up Checklist - Single Zone

## Installation Data

Site Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Installing Contractor: \_\_\_\_\_ Contractor Contact #: ( ) \_\_\_\_\_ - \_\_\_\_\_  
 Job Name: \_\_\_\_\_ Start-up Date: \_\_\_\_\_  
 Distributor: \_\_\_\_\_

## System Details

UNITS	MODEL NO.	SERIAL NO.	CONTROLLER
OUTDOOR UNIT			
INDOOR UNIT A			

Are the outdoor unit and indoor unit compatible? YES: \_\_\_\_\_ NO: \_\_\_\_\_

## Wiring Electrical

Wire Size and Type Used? AWG: \_\_\_\_\_ TYPE: \_\_\_\_\_

Are there any breaks, splices, wire nuts or butt connectors between the outdoor unit and the indoor unit? YES: \_\_\_\_\_ NO: \_\_\_\_\_

Was the wiring from the outdoor unit port to the correct indoor unit verified? YES: \_\_\_\_\_ NO: \_\_\_\_\_

REMARKS: \_\_\_\_\_

## Voltage Check

### Wiring: Single Zone

Outdoor Unit Disconnect	1(L1):GND		Outdoor Unit Terminal Block	1(L1):GND		NOTES: _____ _____ _____
	2(L2):GND			2(L2):GND		
	1(L1):L2(2)			1(L1):2(L2)		
Indoor Unit Voltage Check @ Outdoor Unit	1(L1):GND		Indoor Unit Voltage Check @ Indoor Unit	1(L1):GND		NOTES: _____ _____ _____
	2(L2):GND			2(L2):GND		
	1(L1):2(L2)			1(L1):2(L2)		
	2(L2):3(S)			2(L2):3(S)		

Outdoor Unit Disconnect	1(L1):GND		Outdoor Unit Terminal Block	1(L1):GND		NOTES: _____ _____ _____
	2(L2):GND			2(L2):GND		
	1(L1):L2(2)			1(L1):2(L2)		
Indoor Unit Voltage Check @ Outdoor Unit	1(L1):GND		Indoor Unit Voltage Check @ Indoor Unit	1(L1):GND		NOTES: _____ _____ _____
	2(L2):GND			2(L2):GND		
	1(L1):2(L2)			1(L1):2(L2)		
	2(L2):3(S)			2(L2):3(S)		

# Ductless Start-Up Checklist (CONT)

## Piping

### Leak Check:

System held 500 psig (max. 550psi) for a minimum of 30 minutes using dry nitrogen. YES: \_\_\_\_\_ NO: \_\_\_\_\_

### Evacuation Method:

- Was the Triple Evacuation Method used as outlined in the installation manual? YES: \_\_\_\_\_ NO: \_\_\_\_\_
- Was the Deep Vacuum Method used as outlined in the installation manual? YES: \_\_\_\_\_ NO: \_\_\_\_\_
- Did the System Hold 500 microns for 1 hour? YES: \_\_\_\_\_ NO: \_\_\_\_\_
- Does the line set match the diameter of the evaporator connections? YES: \_\_\_\_\_ NO: \_\_\_\_\_
- For Conventional Fan Coils, does the line set match the outdoor unit size? YES: \_\_\_\_\_ NO: \_\_\_\_\_

### Single Zone Piping:

Has the liquid pipe length been measured and the additional charge calculated? Size: \_\_\_\_\_ Length: \_\_\_\_\_ Charge: \_\_\_\_\_

<b>NOTES:</b>

PORT	LIQUID SIZE	SUCTION SIZE	LENGTH	CHARGE	NOTES:
A					

## Performance Check

**For 1:1 Single Zone Systems:** Adjust the set-point to create an operational call for the desired testing operation. Allow the system to run for a minimum of 10 min. and record the following details:

(Operational data recorded on applicable heads with the wireless remote controller's Point Check function)

UNIT	SET-POINT	MODE	T1	T2	T3	T4	Tb	Tp	Th	LA/Lr
A										

- NOTE:**
- T1 - Ambient Space Temperature Sensor
  - T2 - IDU Coil Temperature Sensor
  - T3 - Outdoor Coil Temperature Sensor
  - T4 - Outdoor Ambient Temperature
  - Tb - Suction Line Temperature @PMV
  - Tp - Discharge Temperature Sensor
  - Th - IPM Board Temperature
  - LA/Lr - PMV Temperature

## Error Codes

Were there any error codes present at start-up? YES: \_\_\_\_\_ NO: \_\_\_\_\_

Indoor Unit Error Code:		<b>Notes:</b>
Outdoor Unit Error Code:		
Wall Controller:		
24V Interface:		

## Comments:

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