LENNOX Powered by SAMSUNG

SUBMITTAL V1BPNH0*; V1BPNC0*

Base Pan Heater and Control Box for VRF Systems

Job Name _____ Location _____

Purchaser _____ Engineer _____

Submitted to _____ Reference ☐ Approval ☐ Construction ☐

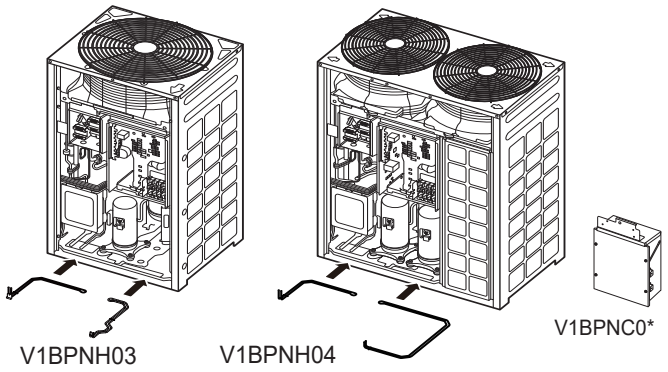
Unit Designation _____ Schedule # _____

Base pan heater model number(s) on the project

	Base Pan Heater	Description
☐	V1BPNH03	Base pan heater, small/large chassis
☐	V1BPNH04	Base pan heater, medium chassis

Base pan heater control box model number(s) on the project

	Control Box	Description
☐	V1BPNC01	230V, Base pan heater control box
☐	V1BPNC02	460V, Base pan heater control box
☐	V1BPNC03	575V, Base pan heater control box



Power

		V1BPNH03		V1BPNH04	
Power	Rated Voltage	208V	230V	208V	230V
	Power Input	106W	130W	123W	150W

Compatibility

	Voltage	Model	Base Heater	Qty.	Control Box	Qty.
VRF	230V	V**072S*M-**	V1BPNH03	1	V1BPNC01	1
		V**096S*M-**	V1BPNH04	1	V1BPNC01	1
		V**120S*M-**	V1BPNH04	1	V1BPNC01	1
		V**144S*M-**	V1BPNH04	1	V1BPNC01	1
		V**168S*M-**	V1BPNH04	1	V1BPNC01	1
		V**192S*M-**	V1BPNH03	2	V1BPNC01	1
		V**216S*M-**	V1BPNH03	2	V1BPNC01	1
		V**240S*M-**	V1BPNH03	2	V1BPNC01	1
	460V	V**072S*M-**	V1BPNH03	1	V1BPNC02	1
		V**096S*M-**	V1BPNH04	1	V1BPNC02	1
		V**120S*M-**	V1BPNH04	1	V1BPNC02	1
		V**144S*M-**	V1BPNH04	1	V1BPNC02	1
		V**168S*M-**	V1BPNH04	1	V1BPNC02	1
		V**192S*M-**	V1BPNH03	2	V1BPNC02	1
		V**216S*M-**	V1BPNH03	2	V1BPNC02	1
		V**240S*M-**	V1BPNH03	2	V1BPNC02	1
	575V	V**072S*M-**	V1BPNH03	1	V1BPNC03	1
		V**096S*M-**	V1BPNH04	1	V1BPNC03	1
		V**120S*M-**	V1BPNH04	1	V1BPNC03	1
		V**144S*M-**	V1BPNH04	1	V1BPNC03	1
		V**168S*M-**	V1BPNH04	1	V1BPNC03	1
		V**192S*M-**	V1BPNH03	2	V1BPNC03	1
		V**216S*M-**	V1BPNH03	2	V1BPNC03	1
		V**240S*M-**	V1BPNH03	2	V1BPNC03	1
VRF Extreme	230V	V**072L*M-**	V1BPNH04	1	V1BPNC01	1
		V**096L*M-**	V1BPNH04	1	V1BPNC01	1
		V**120L*M-**	V1BPNH04	1	V1BPNC01	1
	460V	V**072L*M-**	V1BPNH04	1	V1BPNC02	1
		V**096L*M-**	V1BPNH04	1	V1BPNC02	1
		V**120L*M-**	V1BPNH04	1	V1BPNC02	1

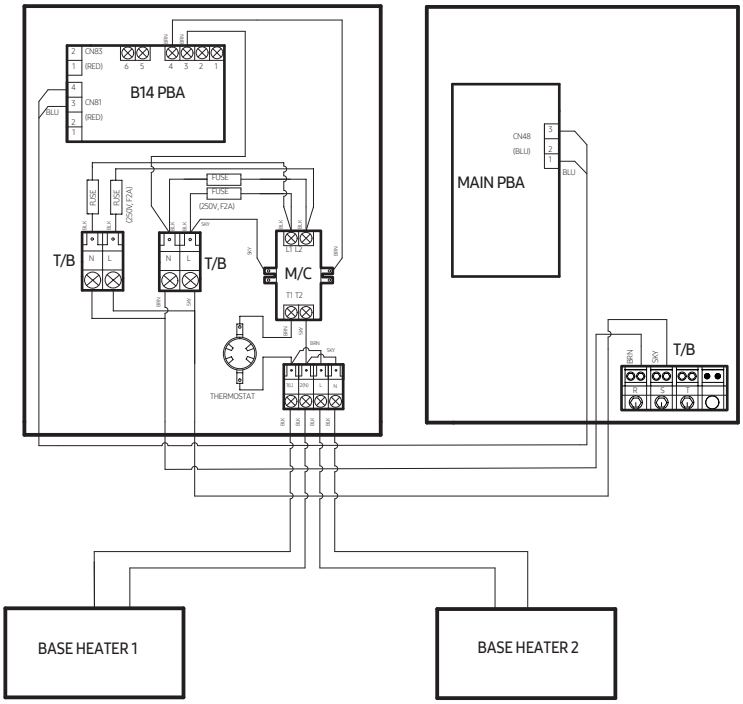
Description

- Base pan heater used to prevent ice formation in the bottom of VRF outdoor units and to promote water drainage after defrost cycles in extreme low ambient temperatures.
- Powered and controlled by the VRF outdoor unit.
- The base pan heater control box will install inside the VRF outdoor unit.
- Application of base pan heaters is recommended when:
  - The outdoor unit will operate in low temperature, high humidity conditions for periods 72 hours or longer.
  - When outside temperatures will drop below freezing for 24 hours.
- When applying base pan heaters, each VRF outdoor unit will require a base pan heater and a base pan heater control box.
- The base pan heater shall activate when:
  - Outdoor temperature is below 30°F (-1°C)
  - The outdoor unit is in heating mode
  - When an outdoor unit has been idle for 30 minutes and outside temperature is 41°F (5°C) or lower the base pan heater will turn on every 30 minutes and for 5 minutes and the fan will operate for 1 minute (if snow accumulation prevention is enabled).

SUBMITTAL V1BPNH0*; V1BPNC0*
Base Pan Heater and Control Box for VRF Systems
Wire Diagram

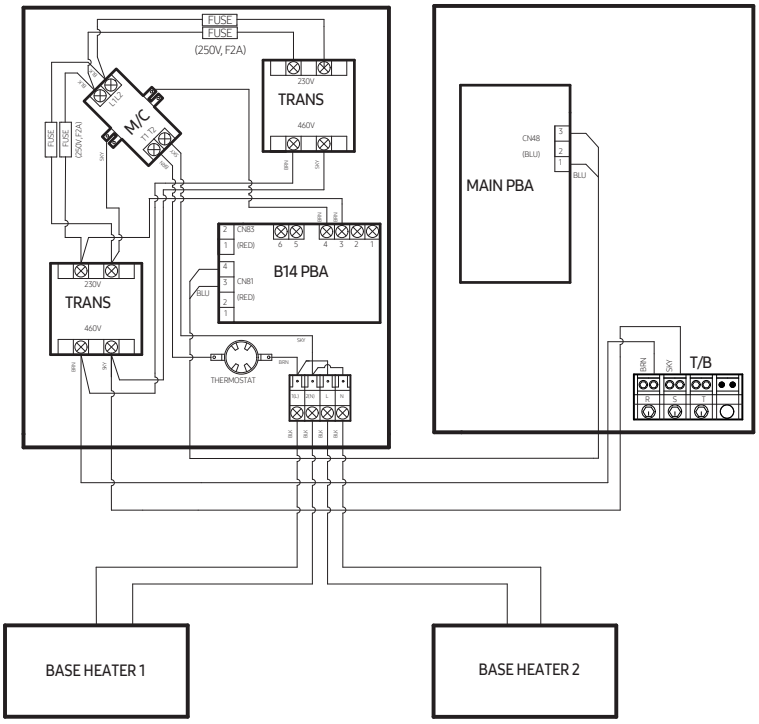
230V Small and Mid Size Chassis

V1BPNC01 Control Box VRF HP/HR Control Box



460V/575V Small and Mid Size Chassis

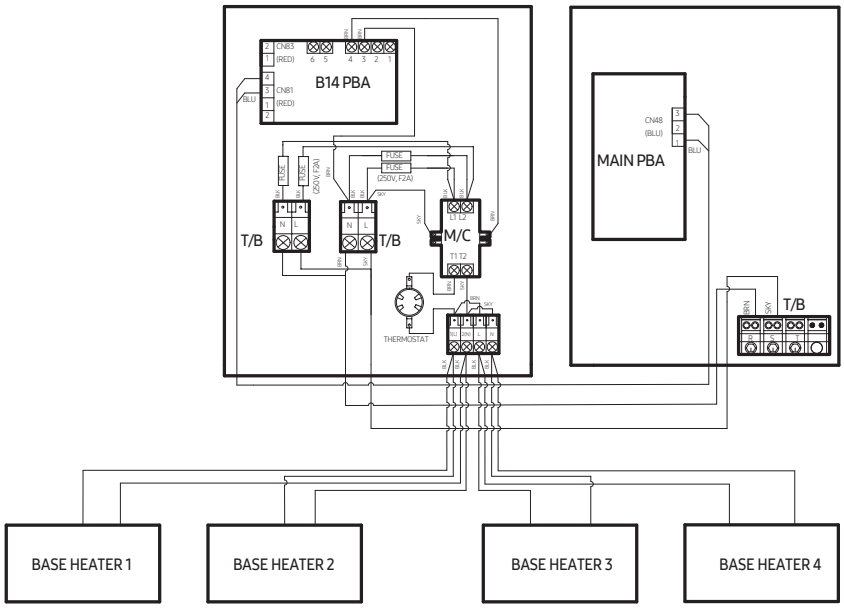
V1BPNC02 Control Box VRF HP/HR Control Box
V1BPNC03 Control Box



SUBMITTAL V1BPNH0*; V1BPNC0*
Base Pan Heater and Control Box for VRF Systems
Wire Diagram

230V Large Chassis

V1BPNC01 Control Box VRF HP/HR Control Box



460V/575V Large Chassis

V1BPNC02 Control Box AVR- V1BPNC03 Control Box VRF HP/HR Control Box