DURASTAR®

PROJECT NAME _____

LOCATION _____

ARCHITECT _____

ENGINEER _____

CONTRACTOR _____

REFERENCE _____

SUBMITTED BY _____ **DATE** _____

24V Thermostat Interface Module: DR24VINT2
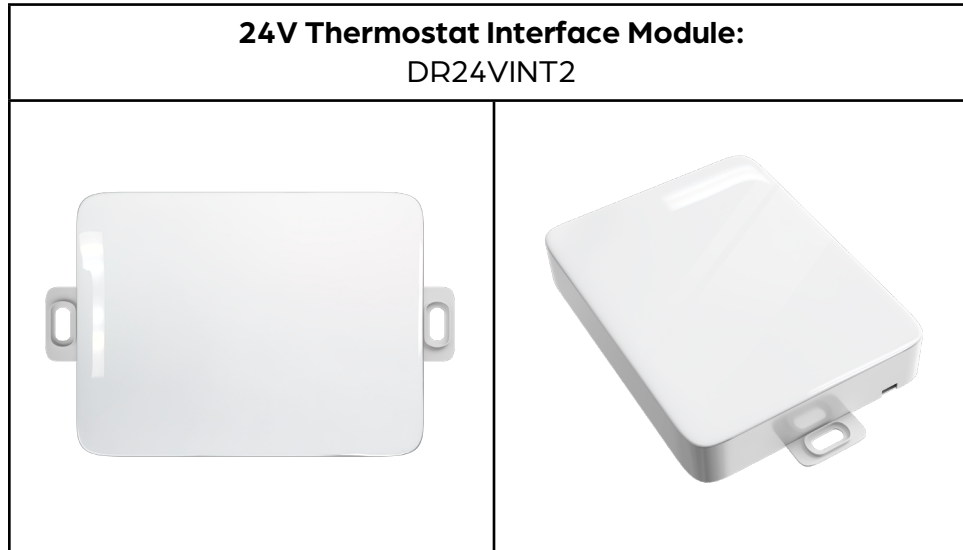
PRODUCT FEATURES

- Connects standard 24VAC thermostats such as NEST, Ecobee, Honeywell, etc. (wifi and non–wifi)
- Connects one indoor unit per interface
- Keeps the Durastar inverter compressor operating as a variable speed system
- 20" wire lead included
- Two connection methods available based on indoor unit: 4–wire cable provided or non–polar HA/HB +20AWG 2–wire (field supplied)
- Additional 20" 4–wire lead extender available (DRPDRSTATEXT1)
- For indoor use only
- 24VAC transformer not included

COMPATIBILITY CHART

	MODEL TYPE	COMPATIBILITY	CONNECTION METHOD
R–410A UNITS	DRAW_F1A	No	––
	DRAW_F1B	Yes	XYE/12V via DRPDRAWMFB1
	DRAC_F1A, DRAC24F1B	Yes	4–pin cable
	DRAL_F1A	Yes	4–pin cable
	DRAF_F1A	Yes	4–pin cable
	DRAS12F1A, DRAS12F1B	No	––
	DRAD_F1A	Yes	4–pin cable
R–454B UNITS	DRAW_F2A	Yes	XYE/12V
	DRAC_F2A	Yes	HA/HB
	DRAL_F2A	Yes	HA/HB
	DRAF_F2A	Yes	HA/HB
	DRAS_F2A	Yes	4–pin cable
	DRAD_F2A	Yes	HA/HB

SPECIFICATIONS

|	
Input Voltage	5V – 12V
Ambient Temperature	32–110°F (0–43°C)
Ambient Humidity	40–90% RH
4–Pin Wire Connection Max Length	65 ft (20m)
Non–Polar 2–Conductor Wire Gauge	16 AWG – 20 AWG*
HA/HB Non–Polar 2–Conductor Wire Max Length	65 ft (20m) max length

*On new installations or if you experience communication interference, it is strongly suggested to use 16 AWG stranded, shielded wire.
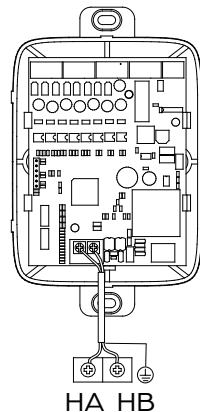
INTERFACE DIMENSIONS

4" (100mm)
1-1/2" (36mm)
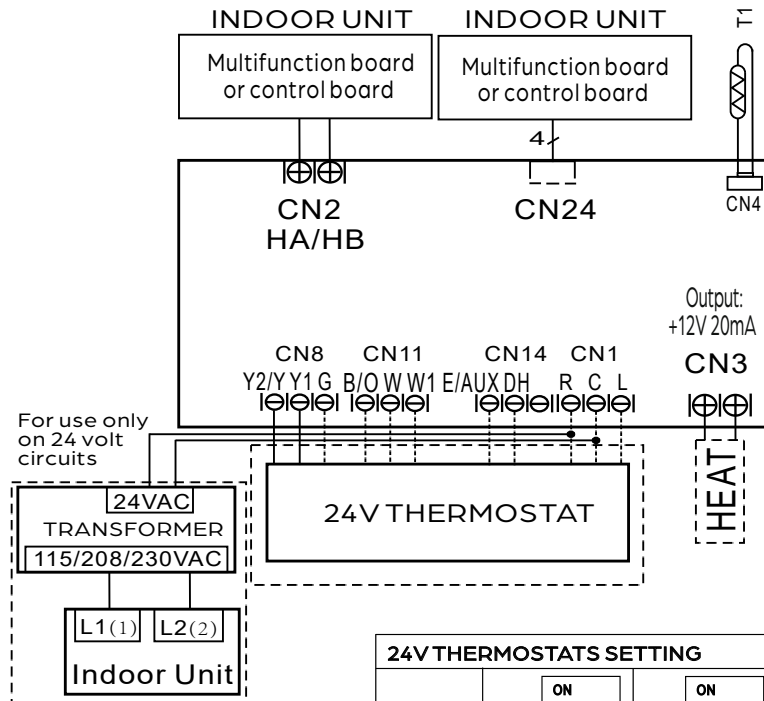6-1/8" (155mm)
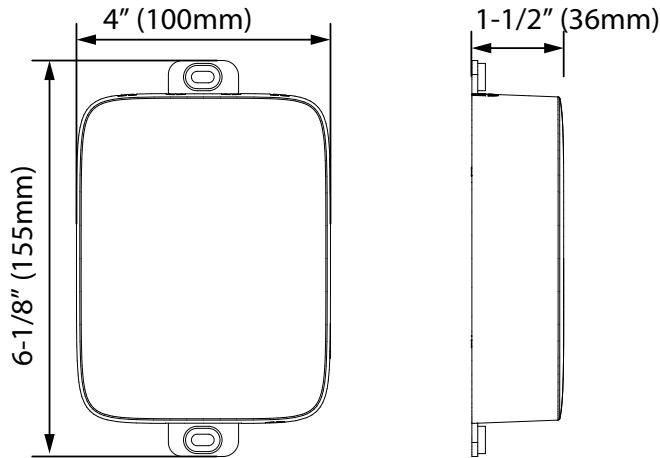
INDOOR UNIT CONNECTION METHODS

4–Pin Molex or XYE/12V Cable
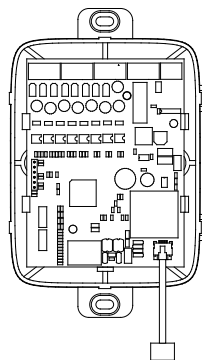
Non–polar 2–wire HA / HB

HA HB

WIRING DIAGRAM

24V TERMINAL DEFINITIONS

Connector	Purpose
R	24V Power Connection
C	Common
G	Fan Control
Y1	Low Cooling
Y/Y2	High Cooling
B	Heating Reversing Valve
W	Heating Control
W1	Stage 1 Electric Heating
E/AUX	Emergency Heating
DH	Dry (Dehumidification)
L	System Fault Signal (output)
Output Terminal 12V	12V Output to Drive Aux Heating Relay