VIVE
COMFORT

TP-P-HP21

HEAT PUMP THERMOSTAT

2 Heat / 1 Cool Multi-stage,
Compatible with heat pump system

【TP-P-HP21】

Temperature control

There are only two buttons, easy to adjust temperature. It is very clean and clear.

Clock setting

Set the specific time in the time zone through simple operations, including hours, minutes, weeks

5+2 Programmable

Move the SYSTEM switch to the HEAT position and Press PRGM once to enter the heating program.

Compressor Lockout delay

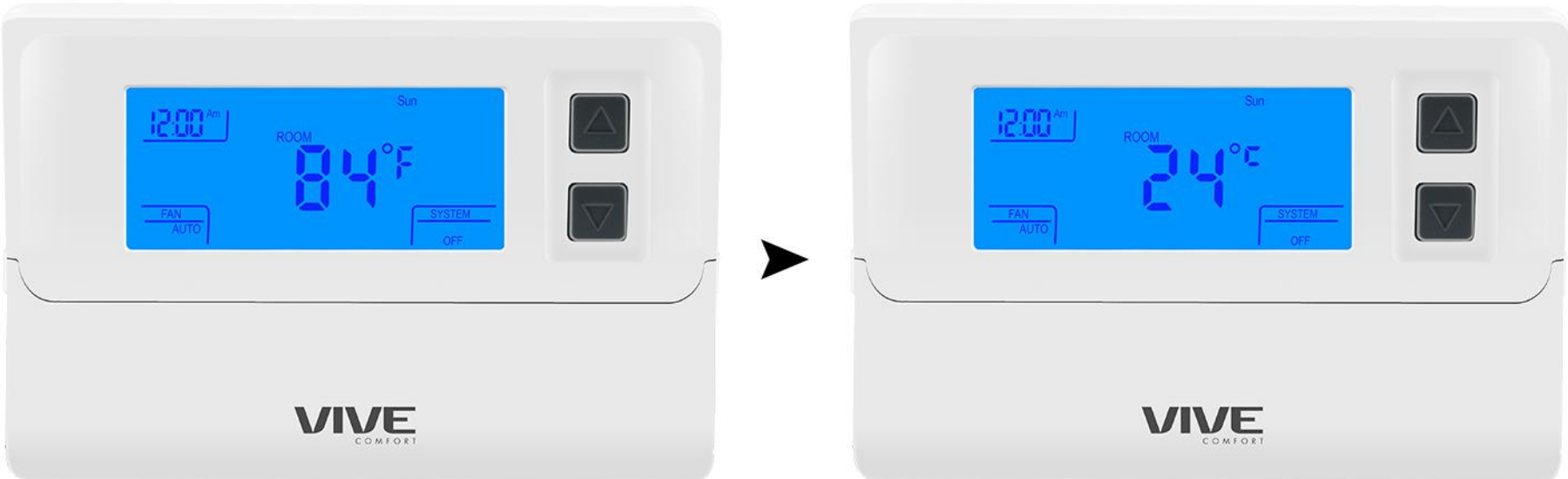
To protect the compressor from short cycling, you can select compressor off-time cycle between 0 to 5 minutes. When the thermostat compressor time delay occurs, the Cool On or Heat On display will flash during compressor lockout.
(Default setting 5 minutes)

Filter Alarm

The thermostat will display the Filter Alarm after a set time of operation. This is a reminder to change or clean your air filter. This time can be set from 0 to 12 months in 1 month increments. When it 's time to clean the filter warning. It will show “dEF” blink.

Select ºF or ºC readout

Celsius, Fahrenheit can be freely set and converted according to requirements.

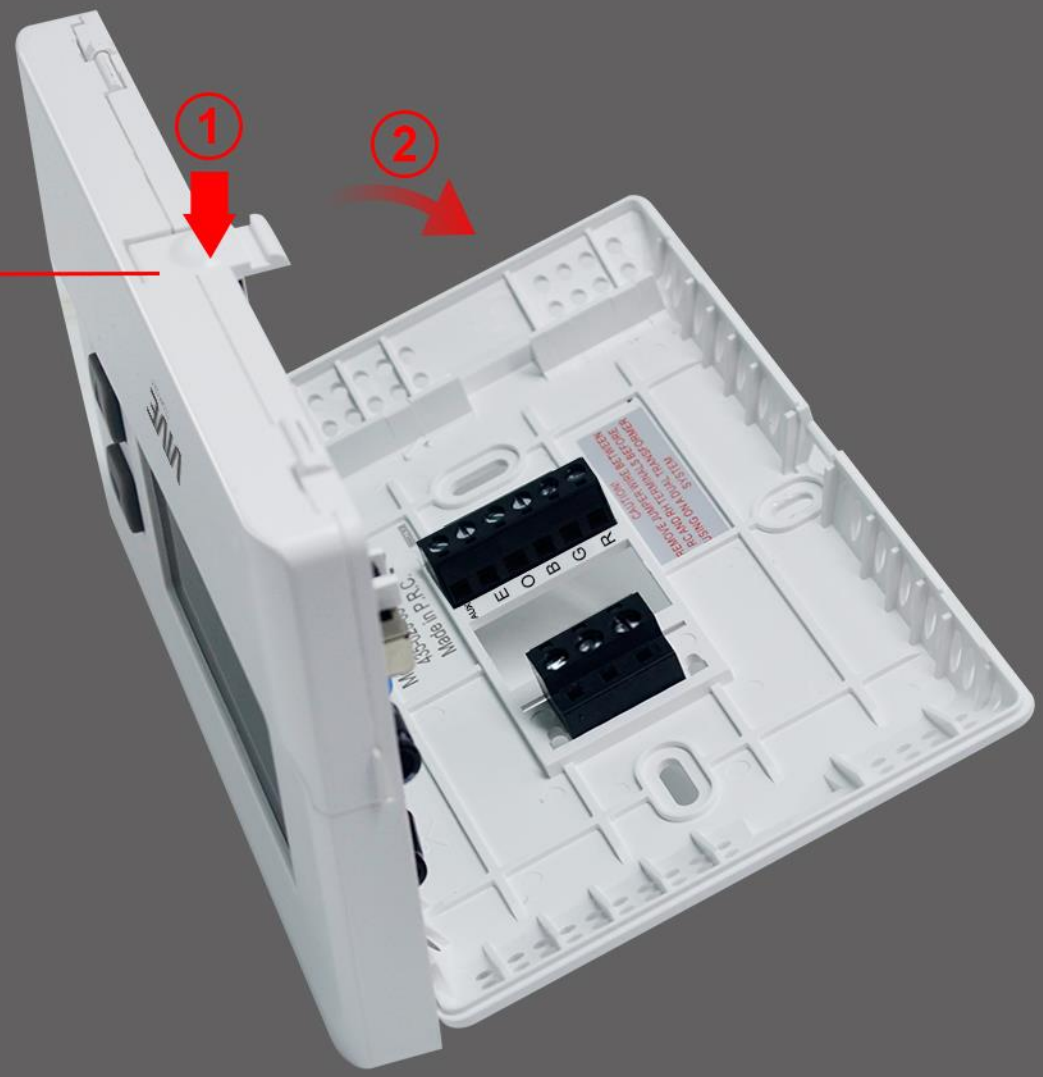


84°F
VIVE

Select ON or AUTO

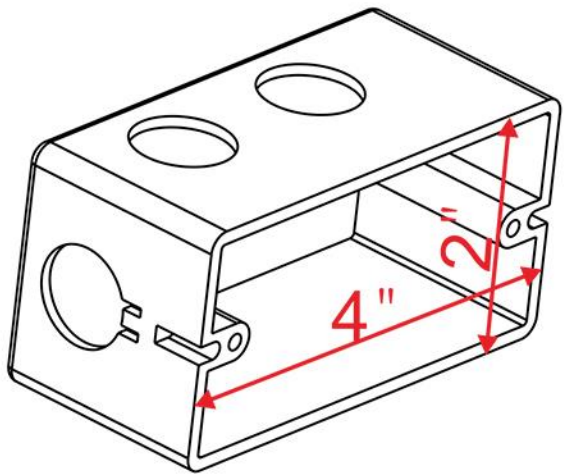
ON will run the fan continuously.
AUTO will run the fan only when the heating or cooling system is on.

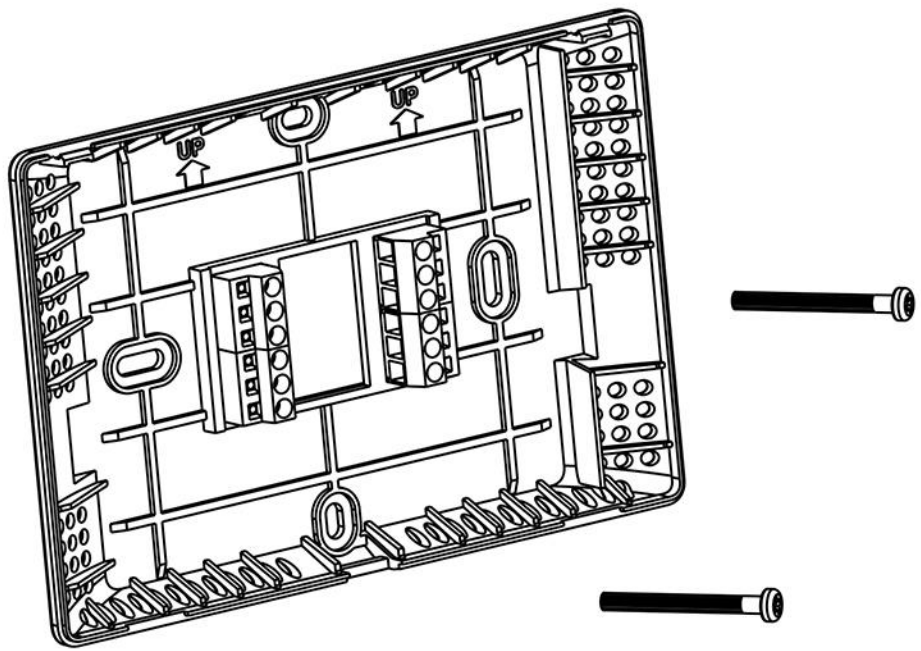
The back shell is easily opened by pressing the button position



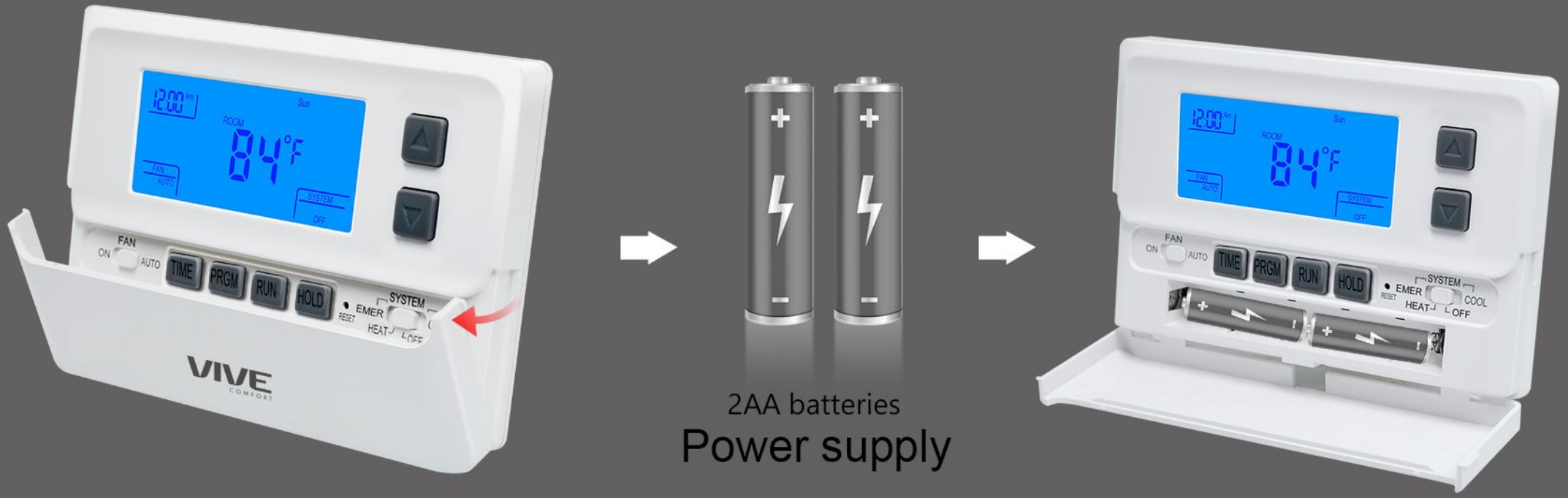
Large LCD display

It is suitable for the installation with US standard junction box (4″ X 2″).





Easy to install battery

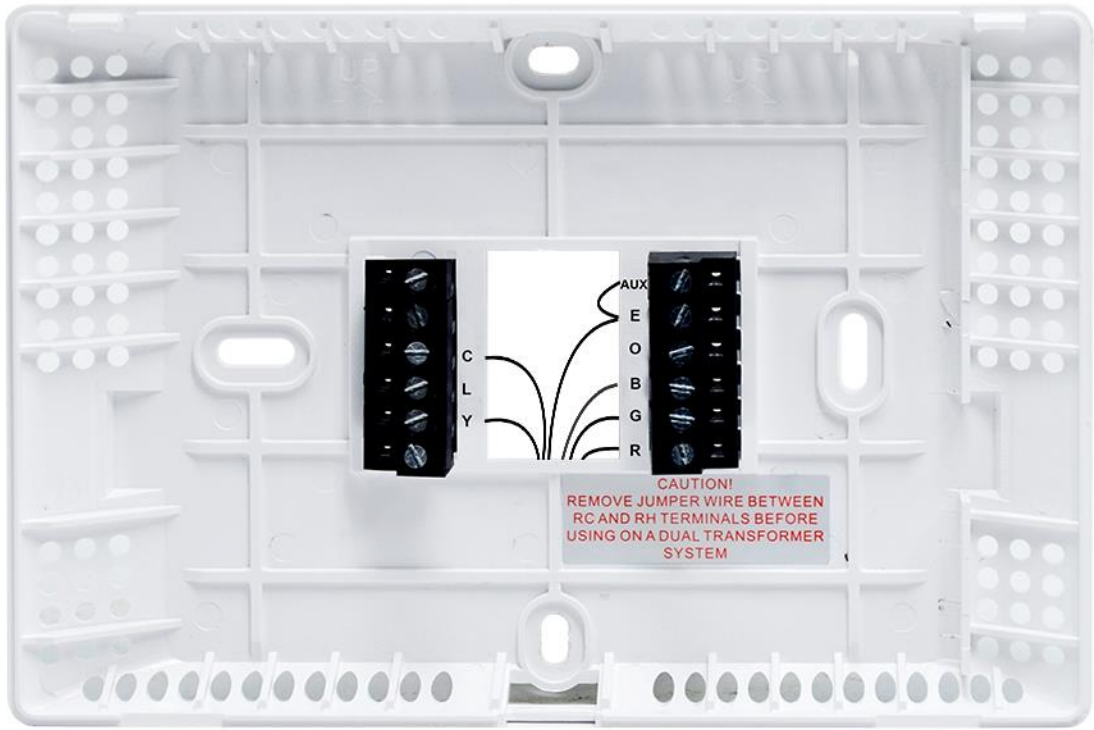


The front flip cover is detachable, making it more convenient for Contractor labeling program.

The cover is designed with pin insertion, which makes the installation very convenient and smooth

The Application System

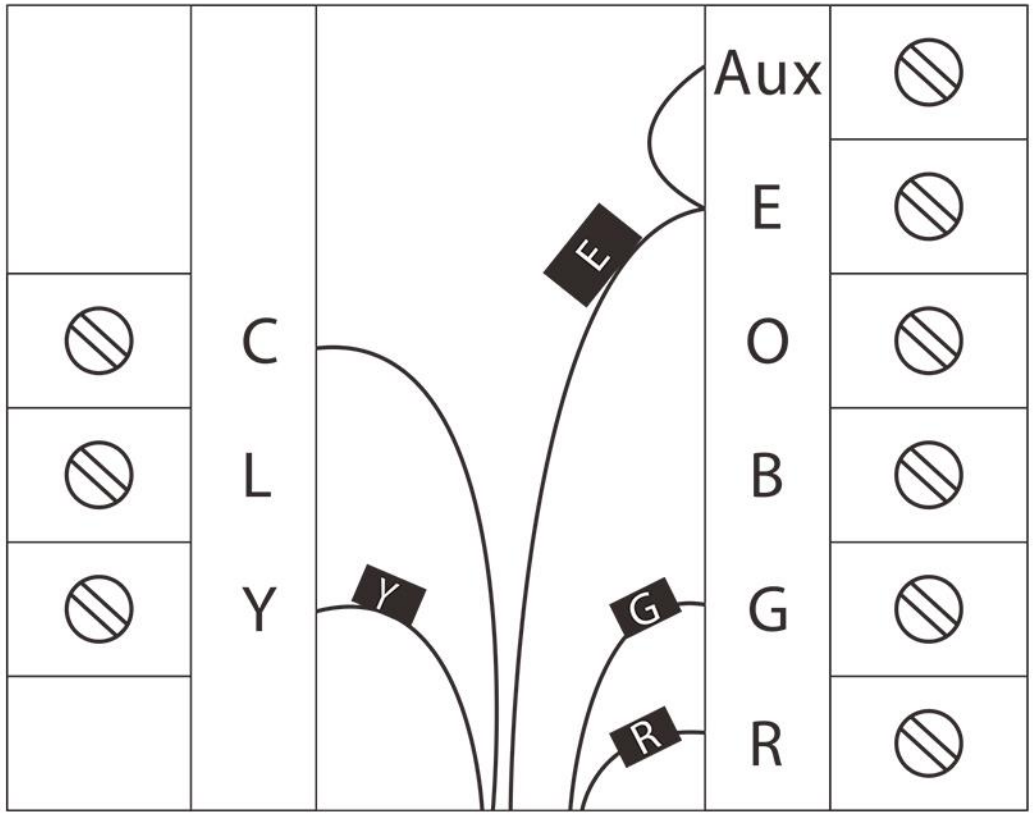
Compatible with heat pump(Electric or Gas configurable system)



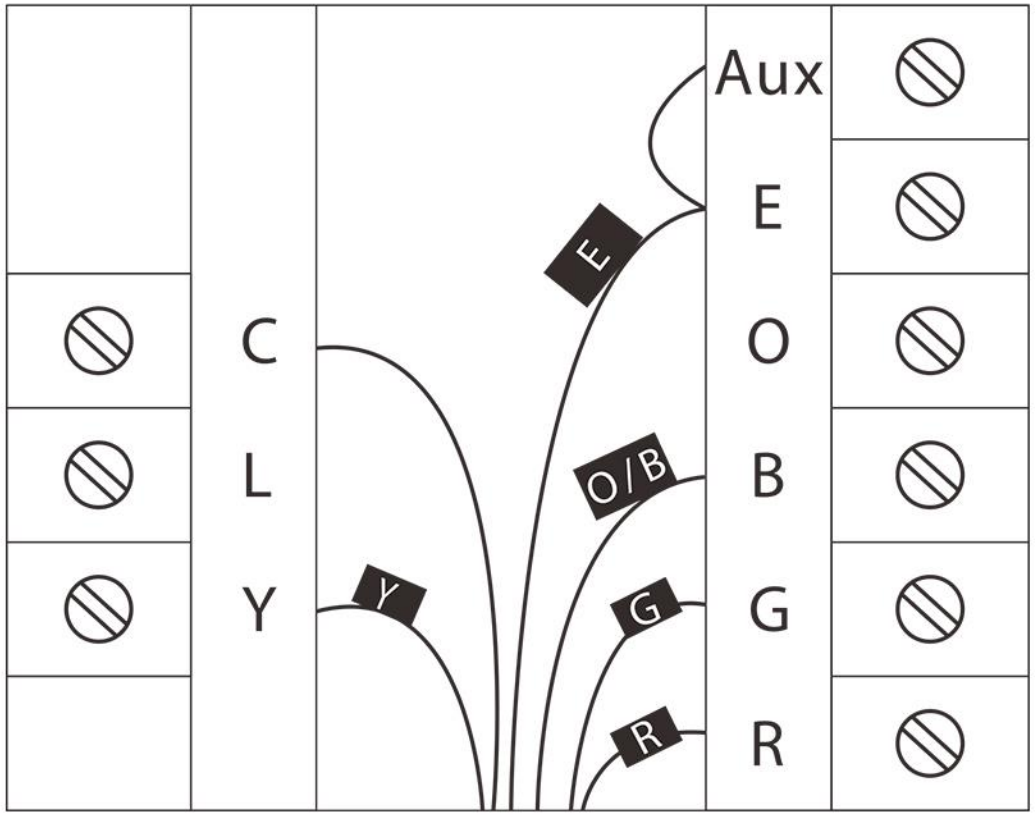
Jumper wire required to use a single Aux Heat
for both AUX Heating and Emergency Heating.

Wiring Diagram

2H/1C conventional wiring diagram



Heat pump wiring diagram

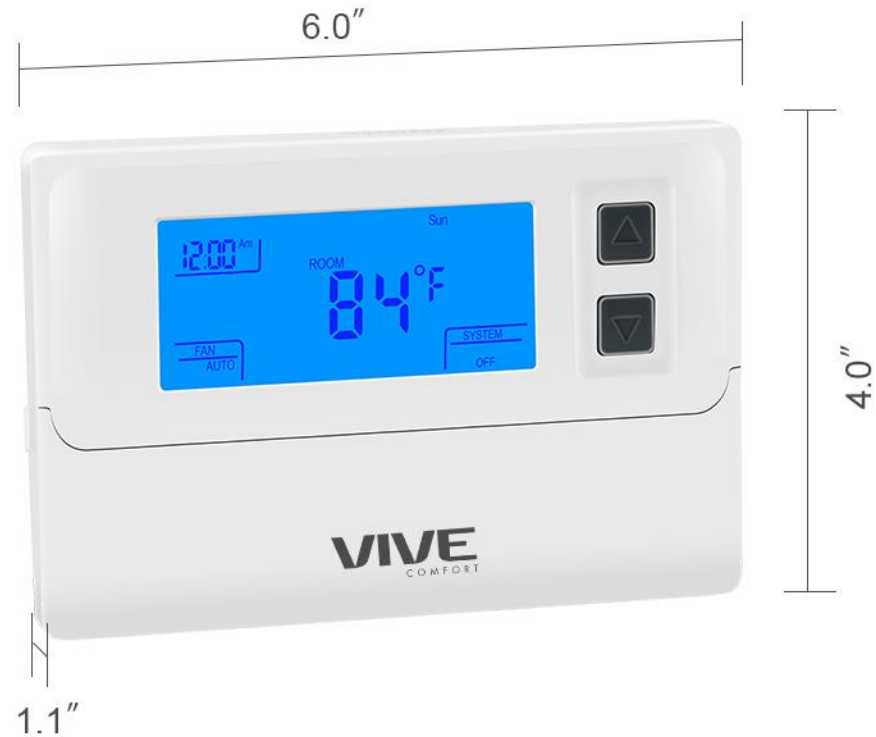


Features

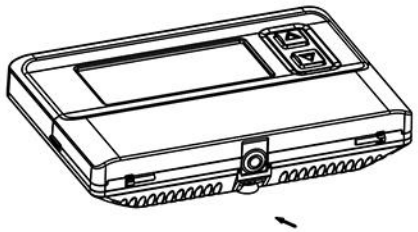
- Large LCD display with backlight, continuous backlight option.
- Simultaneous heat and cool set point storage.
- Display of room temperature, set temperature and current time simultaneously.
- Fan switch with ON and AUTO.
- Permanent user setting retention during power loss. No batteries are required.
- Operates from 24VAC.
- Optional “AA” batteries provide continuous time and temperature display during power loss.
- Optional temperature display of Fahrenheit or Celsius scale.
- Air Filter change Indicator.
- Compressor short cycling protection available.
- Low Battery Indicator.
- Display temperature calibration.
- Separate B and O terminals available.
- Both emergency heating and hold mode are available for comfort and energy saving.
- Separate 5-day (weekday) + 2-day (Saturday/Sunday) programming with four separate time/temperature periods per day.
- Display temperature recalibrates.

Specification

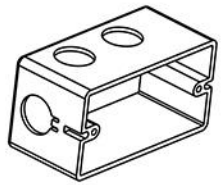
Power Supply: 20VAC-30VAC 50-60HZ or Battery powered.
Terminal Load: 1.0A per terminal, 3.0A maximum total load
Set Point Temp. Range: 45ºF to 90ºF (7ºC to 32ºC).
Accuracy: ±1ºF or ± 0.5ºC.
Dimensions: 6.0” W X 4.7” H X 1.1” D
Color: White

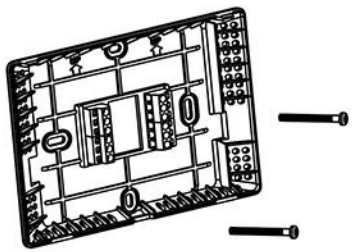


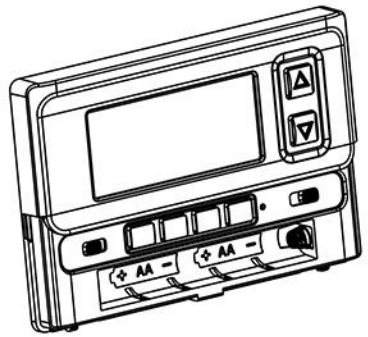
Installation procedure



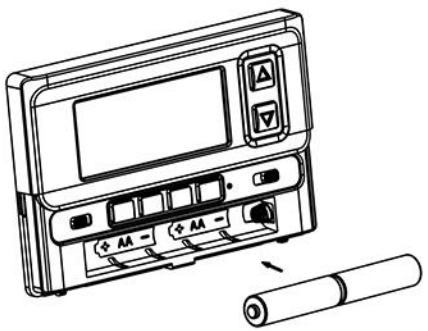
1. Push the button to open thermostat front cover



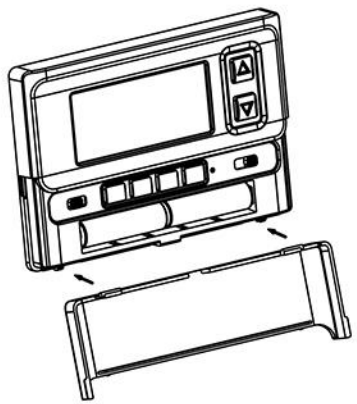


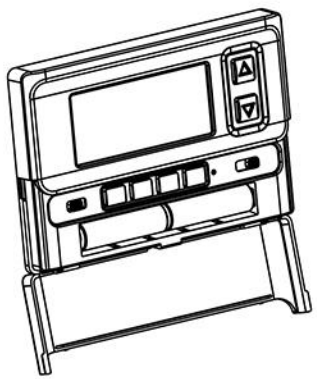


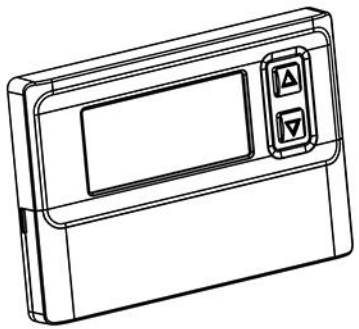
2. Installing the screws in the base cover into the junction box and finish wiring.



3. Close the lid then fitting the 2AA battery.







4. Push up the slide cover.

C Commercial Time Periods (Occupied/Unoccupied)
7D 7 Day Programmable
5+2 5+2 Programmable
5/1/1 5/1/1 Programmable
NP Non-Programmable

Vive Model #		Stages of Heat	Stages of Cool	Gas, Electric or Oil	Heat Pump with Auxiliary	Heat Pump without Auxiliary	PTAC Mode	Battery Power	120 Line Voltage	24V Power (Hardwire)	Outdoor Temperature Sensor Compatible	Dual Fuel Compatible	Display Size (Square Inches)	Auto Changeover	Filter Change Reminder	Room Temperature Calibration	Minimum Compressor Run Time	Compressor Short Cycle Delay	Adjustable Heat & Cool Temperature Swing	Cooling Fan Delay	Ventilation Control	Programmable Fan	Pre-Occupancy Fan Purge	IAQ Fan Mode	Always on Display Light	Keypad Lockout	Adjustable Setpoint Limits	Humidity Control	Memory Type (Permanent)	Touchscreen	Remote Sensor Capable	Millivolt	Warranty	Terminals
TP-N-601	NP	1	1	•		•		•		•			2			•		•	•								•		•			•	2	Rh, Rc, C, Y, W, G, O, B
TP-N-621	NP	2	1	•	•	•		•		•		•	2			•		•	•								•		•			•	2	R,C,Y,W2,E,G,O,B
TP-N-HP21	NP	2	1	•	•	•		•		•			4		•	•		•	•								•		•				1	C,L,Y,AUX,E,O,B,G,R
TP-P-605	7D 5/1/1	1	1	•		•		•		•			2			•		•	•								•		•			•	2	Rh, Rc, C, Y, W, G, O, B
TP-P-625	7D 5/1/1	2	1	•	•	•		•		•		•	2			•		•	•								•		•			•	2	R,C,Y,W2,E,G,O,B
TP-P-HP21	5+2	2	1	•	•	•		•		•			4		•	•		•	•								•		•				1	C,L,Y,AUX,E,O,B,G,R

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THANK YOU

Web:www.vivecomfort.com