

Operating Manual

Habitat Thermostat



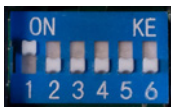


1. Overview

A single Model HTE-01 thermostat can control up to eight air conditioning units equipped with Model HTM-01 base modules. The range between the thermostat and the base modules can be up to approximately 50 feet through standard building materials.

2. System DIP Switch Configuration

TABLE 1



Dial code	Description
J1	PTAC (Packaged Terminal Unit) Factory Default
J2	FCU (Fan Coil Unit / Mini-Split)
J3	WSHP (Water-Source Heat Pump)
J4	HWSHP (Hybrid Water Source Heat Pump)
J5	UNTY (Unitary AC/Furnace)
J6	O/B Terminal Selection (Heat Pump Only)

For heat pump installations, dip switch #6 must be set to match the appliance changeover valve. Refer to appliance manufacturers system specifications for required setting.

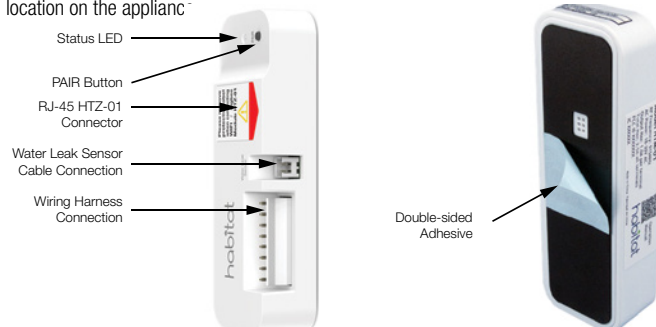
- ON = "B" – Cooling is default, switches over to Heat
- OFF = "O" – Heating is default, switches over to Cool

If more than one appliance type (dip switch 1-5) is selected, **BIPErr** error code will be displayed.

3. HTM-01 Base Module Installation

Mount the Base Module:

Using the double-sided adhesive backing on the Base Module mount it to a convenient location on the appliance:



NOTE:

- Avoid mounting the HTM-01 Base Module in locations near line voltage power conduits.
- DO NOT locate the Base Module in locations where exposure to water or dirt/grease are likely.
- DO NOT mount the Base Module in locations where temperatures may exceed 104°F (40°C).
- For best results, assure that the harness is long enough to reach the intended location before mounting the base module.

Wire the Base Module:

Using the Base Module Wiring Harness provided, wire the Base Module to the appliance.

For best results, the HTM-01 base module is to be mounted in a convenient location on the HVAC unit where there is no sheet metal between the base module and the thermostat. The HTM-01 can be mounted on the inside of an enclosure behind louvers or grill (**Figure 1**). For units with a sheet metal cabinet, mount the HTM-01 on the outside of the cabinet (**Figure 2**).

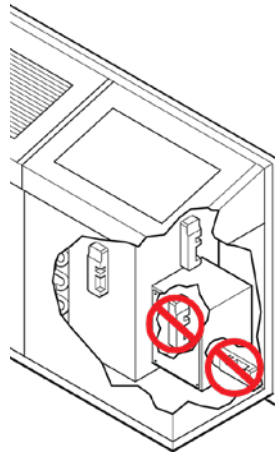


Figure 1 – Units with louvers, grill or plastic cover – Inside Cabinet

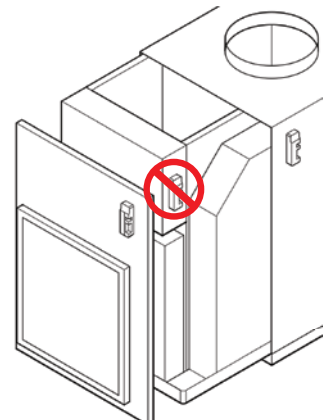


Figure 2 – Units with sheet metal enclosures – Outside Cabinet

For HVAC units with an open bottom, place as close to the bottom as possible while avoiding places where furnishings or cleaning equipment can cause damage (**Figure 3**).

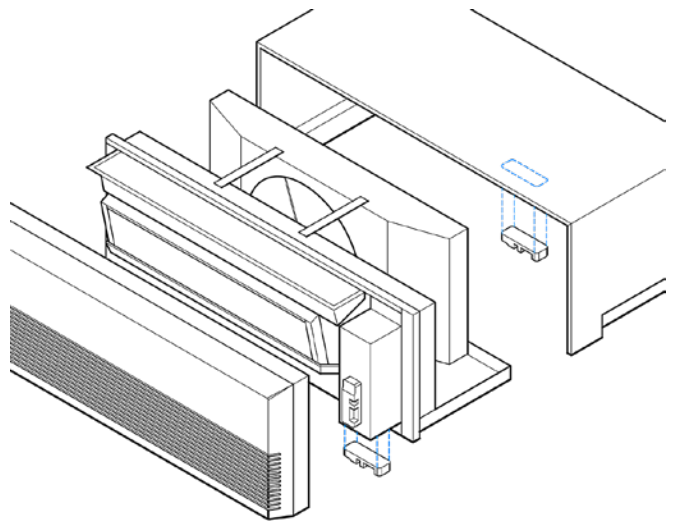


Figure 3 – Units with open bottoms – Inside Cabinet

4. LED Status Indication

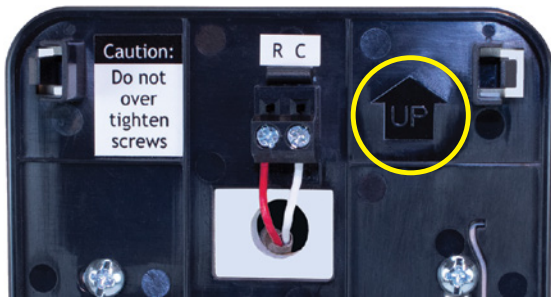
The following table shows the base module state corresponding to the LED Status Indication.

LED Status Indicator	State	Description
	Flashing Green	Pairing
	Green	Paired
	Red	Not Paired
	2 Red Flashes then Pause	Alarm
	Flashing Red	Identify Mode
	Alternating Green/Red	Factory Reset
	Flashing x times Green then y times Red	Firmware Version
	Flash Red n times	Base Module Number

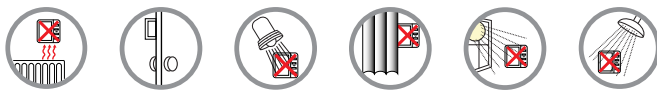
5. HTE-01 Thermostat Installation

Mount the Thermostat:

Remove Mounting Plate and mount it approximately 4-5 feet above the floor. Select an area with average temperature and good air circulation. BE SURE that the UP symbol is correctly oriented.



DO NOT MOUNT the thermostat near any heat source, behind doors or curtains, in corners, in direct sunlight, in area of high humidity or where water is present.

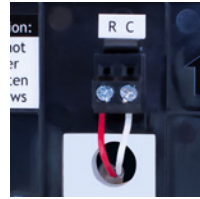


AVOID mounting the Thermostat on an exterior wall.

6. Power Installation

If using 24 VAC supply wiring, be sure that the wire goes through the opening in the Mounting Plate before mounting. FOR 24 VAC INSTALLATIONS, insert the low voltage supply wires into the terminations provided and tighten the screws.

Hardwired Installation



Battery installation is optional if Thermostat is hardwired, "R" and "C" terminal connected to 24 volt only power.

Wire Specifications: Shielded or non-shielded 18-22 gauge thermostat wire.

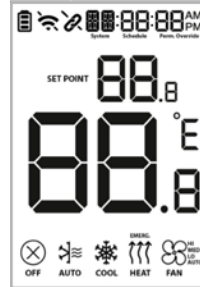
Note: DO NOT OVERTIGHTEN the terminal screws.

Battery Installation



Please insert 2 AA Alkaline batteries (included.) High performance lithium batteries may be used and are recommended on commercial applications.

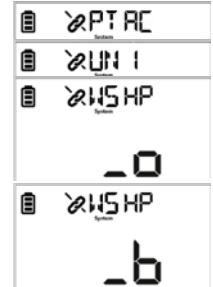
7. Boot Screen Display



When the HTE-01 Thermostat is first powered, all segments are briefly displayed.



Next, the firmware version is displayed for 2 seconds.



Then the display briefly shows the system type, which is dependent on the dip switch settings.

If more than 1 dip switch (1-5) is set to "ON" the following error message is displayed.



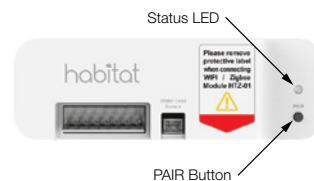
8. Device Pairing

The HTE-01 Thermostat and the HTM-01 Base Module that were shipped together were paired at the factory for convenience. To add additional base modules, use the following procedure.



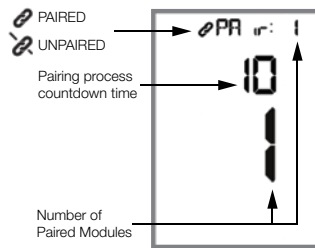
1. Hold down the Fan, Mode, and buttons for more than 3 seconds to initiate the Pairing process on the HTE-01 Thermostat and set the 10-minute countdown timer in action. This will allow pairing of up to eight base modules.

Note: To exit the Pairing process hold the "Mode" and "Fan" button until a beep is played.



2. To initiate the Pairing process on each HTM-01 base module, press and hold the PAIR button for between 3 and 10 seconds until the connection status LED flashes green. The table on page 7 shows the HTM-01 base module State that corresponds to the LED Status Indication.

9. Pairing Setup Display



After the boot sequence, the HTE-01 thermostat begins the pairing process with a 10 minute countdown timer.

As the HTE-01 Thermostat pairs with each HTM-01 Base Module the number of paired modules is displayed. A maximum of 8 base modules can be paired with each thermostat.

If there are eight base-modules already paired with the thermostat, **PR 8** will be displayed for 3 seconds before returning to the previous screen.

Note: New modules will always be assigned to the lowest available number.

PLEASE NOTE: Other thermostats are available including:

Digital Touchscreen Thermostat

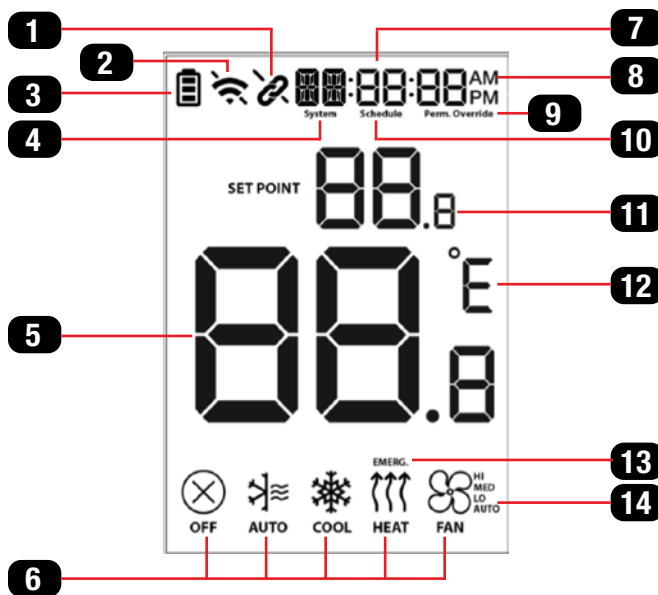


Digital LCD Thermostat



System compatible with other 3rd party thermostats not shown here. For more information go to: www.ice-air.com/thermostats

9. Home Screen



1	Pairing status indicator: Connected Not Connected	8	Time display ¹
2	WiFi status indicator (only shown when WiFi module is used) Connected Not Connected	9	Override status indicator ¹ : Override - Temporary Override Perm. Override - Permanent Override
3	Thermostat Battery power indicator status, only shown when on battery power used. Full Half Low Replace	10	Schedule running indicator: Schedule - Schedule running ¹ (Blank) No Schedule
4	System type	11	Set point
5	Room temperature	12	Celsius or Fahrenheit units
6	Mode status	13	Emergency heat indication
7	Additional system type text	14	Fan speed indication

1 - Schedule must be activated for the time and schedule status to be displayed. See the Habit programming guide for information on setting up a schedule.



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ICE6155 11/22