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Smarter Control Solutions.

Programming Guide

About This Manual

This manual uses special attention icons to alert the user of (1) Important safety concerns, (2) Instructions on proper operation of control functions and (3) Installation/set up information.

⚠️ **Safety:** Indicates a condition which may cause severe personal injury, death or major property damage.

ℹ️ **Important Information:** Indicates information which requires special attention for correct operation of the control.

👍 **Your Benefit:** Indicates helpful installation or setup information.

For installation and instructions, refer to the **Installation & Pairing Manual.**

For operating instructions, refer to the **Operation Manual.**

Documentation

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Thermostat Model: HTE-01

Base Module Model: HTM-01

Manual Table of Contents

Home Screen Display

SET POINT 88.8

88.8 °E

1
2
3
4
5
6
7
8
9
10
11
12
13
14

System

Schedule

Perm. Override

AM
PM

EMERG.

OFF   AUTO   COOL   HEAT   FAN

HI
MED
LO
AUTO

1

1	Pairing status indicator: 🔗 Connected 🔗 Not connected	**8**	Time display
2	WIFI status indicator (only shown when WIFI module is in use.) 📶 Connected 📶 Not Connected	**9**	Override status indicator: Override – Temporary Override Perm. Override – Permanent Override
3	Thermostat Battery power indicator status, only shown when on battery power. 🔋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

HTE-01 Thermostat Controls

Front View

SET POINT 75

68 °F

8:00 AM

COOL

Mode

Fan

habitat

1

2

3

4

5

Bottom Side View

1 LCD Display – See preceding pages for detailed descriptions of the display icons.

⬆ ⬇ – Increase or Decrease the target temperature set point.

2 *Changing the target set point:*

• Press the ⬆ or ⬇ button while in Auto, Heat or Cool Modes.
• If a schedule is programmed, "Override" is displayed below the time indicating that the current target setpoint will be maintained until the:
  - Next schedule period
  - Set point is changed to the scheduled value
  - **Mode** button is held for 3 seconds, displaying "Schedule", "Perm. Override"
  - To change the temperature units between °F and °C, quickly press and release the ⬆ ⬇ and buttons.

3 **Mode** – Cycle through Operation modes: ⊗ OFF ⮂≈ AUTO ❄ COOL ↑↑↑ EMERG. HEAT 🌀 FAN

4 **Fan** – Cycle through desired Fan Speeds.

5 **Manual Reset** – Reboots the thermostat system only.

👍 To save energy, the display will turn off after a period of inactivity. Before making changes, press any button to activate the display, illuminating the screen.

HTM-01 Base Module LED Status Indication

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

LED Status Indication		State	Description
	Flashing Green	Pairing	Base module is seeking to pair with the thermostat.
	Green	Paired	Base module is paired with the thermostat.
	Red	Not Paired	Base module is not paired with a thermostat.
2	2 Red Flashes then Pause	Alarm	Base module indicating an alarm (Water Leak, Smoke or CO2) accompanied by descriptive text on the thermostat display.
	Flashing Red	Identify Mode	Base module is in 'identify mode' which is initiated by the thermostat or web application.
	Alternating Green/Red	Factory Reset	Hold the PAIR button for 10 seconds and it begins to flash. Release and press again briefly to reset.
x y	Flashing *x* times Green then *y* times Red	Firmware Version	Indicates version x.y (eg. 2 green then 7 green = version 2.7.) Press and release PAIR button within 10 seconds of power up.
n	Flash Red *n* times	Base Module Number	Indicates base module number (1-8). Press and release PAIR button more than 10 seconds after power up.
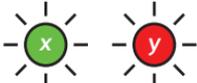
Parameters Setup

To access Parameters, hold down the **Mode** and **Fan** buttons until a beep sounds (3 seconds), then release. Use the **Fan** button to scroll forward and the **Mode** button to scroll backward through the available parameters.

Parameter	Description	Key	Action
Base Module	MOduLE	▲	Identify existing base module(s)
		▼	Pair additional base module(s)
Daylight Savings Time (DST)[1]	DSt		Toggle DST OF$_F$ or ON
Month[1]	Month		Set Month (MM) 1 to 12
Date[1]	DAtE		Set Date (DD) 1 to 31
Year[1]	YEAr		Set Year (YY)
Hour[1]	Hour: 12^{AM}		Set Hour (HH$^{AM/PM}$)
Minute[1]	Min :00		Set Minute (MM) 1 to 59
Emergency Heat	EMERG. HEAT	or	Toggle Y or N
Setback Enable	SEtbAC		Toggle OF$_F$ - SE$_n$ 1,2 - ON$_2$
Setback Heat Set Point[2]	SEtbAC HEAT		Adjust from default 50°F
Setback Cool Set Point[2]	SEtbAC COOL		Adjust from default 73°F
External Sensor[1]	Ext Sr		Toggle Y or N
Schedule	Toggle Schedule Mode		Toggle Schedule Mode

1 - DST/Time/Date/External Sensor settings will not be displayed if connected to a HomeLink Module.
2- Setback Heat Set Point and Setback Cool Set Point will not be displayed if Setback is disabled (OF$_F$).

Identify HTM-01 Base Module(s):
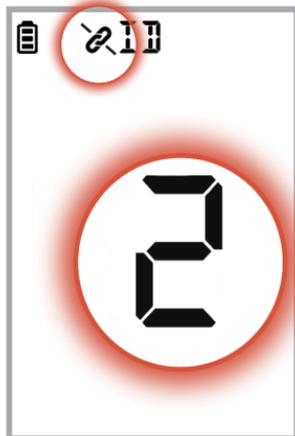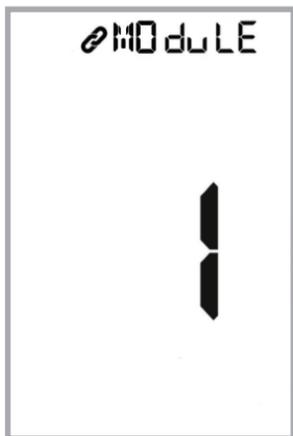
To access Parameters, hold down the **Mode** and **Fan** buttons until a beep sounds (3 seconds), then release.

Press ➤ to identify base modules. "All" flashes indicating all modules. Press ➤ to scroll through the list of connected base modules.

If any module has been paired but has lost its link to the Thermostat, the pairing status indicator will blink along with the number of the module that has lost its link.
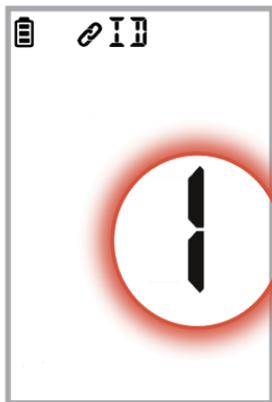
Press **Fan** to select the module desired.

The module ID stops flashing, and 10-minute countdown timer begins.

The LED on the module corresponding to the ID selected will begin flashing red for 10 minutes. If "All" is selected, the LEDs on all connected modules will flash red.
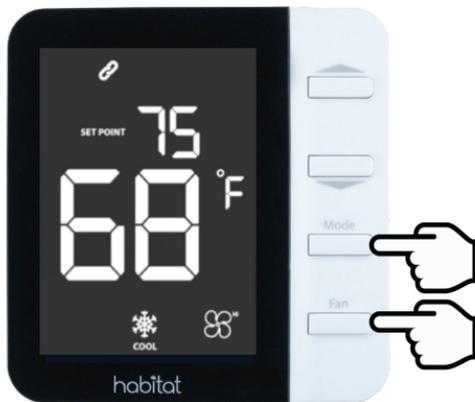
To exit ID mode, hold down the **Mode** and **Fan** buttons until a beep sounds (3 seconds). The display will return to the home screen and LEDs will stop flashing.

Pairing Additional HTM-01 Base Module(s):

To access Parameters, hold down the **Mode** and **Fan** buttons until a beep sounds (3 seconds), then release.
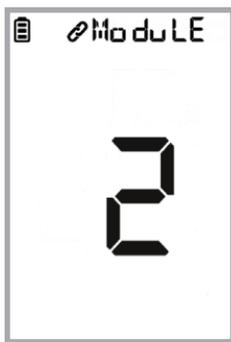
The display will show the number of base modules currently paired.
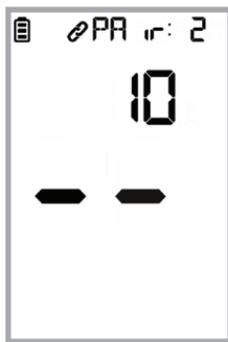
Use the ▼ button to begin a 10-minute countdown to pair additional base modules.

To initiate pairing, press and hold the **Pair** button on the HTM-01 Base Module until the LED flashes green (at least 5 seconds, but not more than 10 seconds). A continuous green LED indicates the base module is paired with the thermostat.

Note: Holding the **Pair** button for longer than 10 seconds will cause a factory reset (LED alternating red and green).
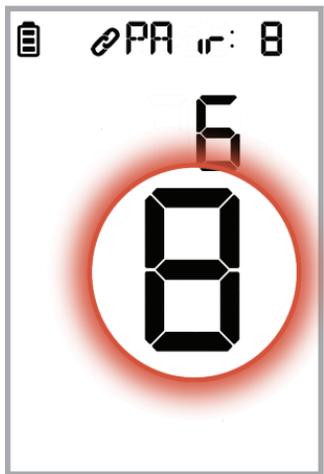
After pairing, the total number of base modules will flash on the display. The pairing sequence will time out after 10 minutes.   To exit the parameters menu, hold down the **Mode** and **Fan** buttons until a beep sounds (3 seconds).

The Habitat HTE-01 Thermostat will support a maximum of eight HTM-01 Base Modules

Daylight Savings Time, Date & Time Settings[1]:

Daylight Savings Time: Use the ▼ button to toggle DST Mode ΟΠ or ΟFϜ. Press **Fan** to continue.
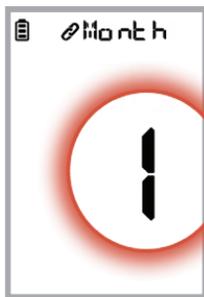
Month: Use ▼ ▲ buttons to set the month. Press **Fan** to continue.
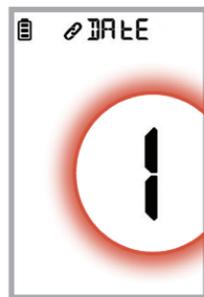
DATE: Use ▼ ▲ buttons to set the date. Press **Fan** to continue.

YEAr: Use ▼ ▲ buttons to set the year. Press **Fan** to continue.

Hour: Use ▼ ▲ buttons to set hour. Press **Fan** to continue.
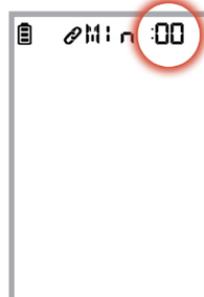
Min: Use ▼ ▲ buttons to set the minute. Press **Fan** to continue.

1 - DST/Date/Time settings will not be displayed if a HomeLink Module is connected.

Emergency Heat Setting:
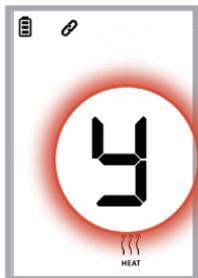
Use ▼ ▲ buttons to enable (y) or disable (n) Emergency Heat. When enabled, if the room temperature falls below the Emergency Heat Setpoint (Administrative Parameter), emergency backup heat will be activated. Press **Fan** to advance to the next parameter.

Setback Setting:

🔋🛜⊘ SEt b AC	🔋🛜⊘ SEt b AC	🔋🛜⊘ SEt b AC
OF_F	ON	SE_n

Use the ▲ ▼ buttons to choose enable (ON), disable (OF_F) or use a setback motion sensor (SE_n).

🔋🛜⊘ SEt b AC
SET POINT
50 °F
🔥🔥🔥 HEAT

Use the ▲ ▼ buttons to change the heating setback temperature. Press **Fan** to advance to Cooling setback.

🔋🛜⊘ SEt b AC
SET POINT
73 °F
❄ COOL

Use the ▲ ▼ buttons to change the cooling setback temperature. Press **Fan** to advance to the next parameter.

External Temperature Sensor:

▤ 🤍 𝜕 E۷t Sr	▤ 🤍 𝜕 E۷t Sr
n	**y** ➖ ➖
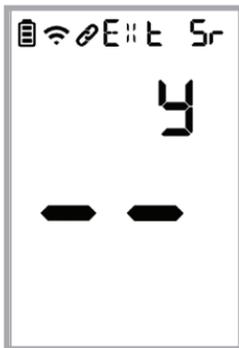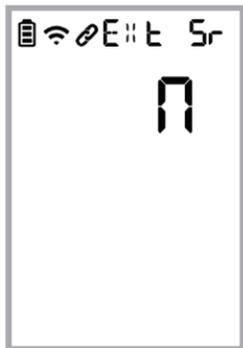
Use the ▲ ▼ buttons to to choose between external sensor disabled (n) and external sensor enabled (y).

Schedule Setup:

Hold down the **Mode** and **Fan** buttons until a beep sounds (3 seconds), then release.

The display will show the number of base modules currently paired.

Press **Mode** to scroll back to the Schedule Parameter and use the ▼ button to toggle schedule to "y". Press **Fan** to confirm.

When prompted to ∂UP dREE use ▲▼ buttons to toggle to "y". Press **Fan** to continue.

- Choose Schedule Type

Display	Description	Action when Fan pressed
∂5+2 Schedule	Weekday (MF) or Weekend (SS)	MF – Set periods*
		SS – Set periods*
∂WK Schedule	Same schedule throughout the week	Set periods*
∂DAY Schedule	Different schedule each day	MO, TU, WE, TH, FR, SA, SU – Set periods*

* Periods SS, WK, MO, TU, WE, TH, FR, SA, SU are set up in the same way as listed below MF.

15

- Period Setup
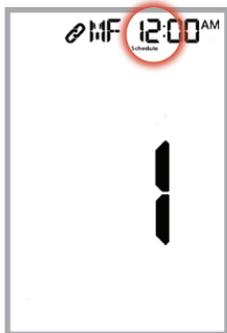
Use the ▼ ▲ buttons to set the hour that the first period begins. Press **Fan** to continue.

Use ▼ ▲ buttons to set the minutes for the first period. Press **Fan** to continue.
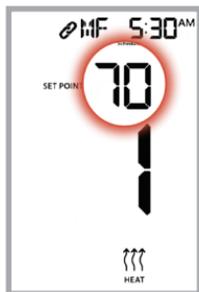
Use ▼ ▲ buttons to set the target set point for Heating. Press **Fan** to continue.
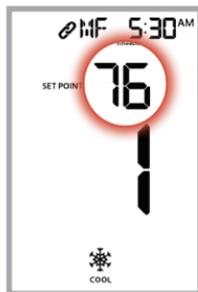
Use ▼ ▲ buttons to set the target set point for Cooling. Press **Fan** to advance to the next period.

Set time and temperature set points for each desired period.

16

To disable a period, press the ▲ button until -- : -- is displayed. Up to 6 periods per day or group of days can be programmed.
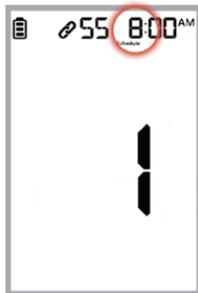
After the 6th period is programmed, the HTE-01 Thermostat will move to the next day or group, depending on the schedule type.
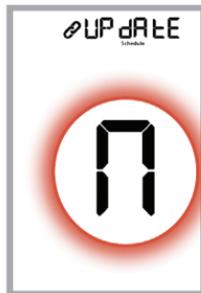
Once all periods and day groups have been programmed, a prompt to Update will be displayed. Press "n" to accept the current schedule or "y" to make further changes.

HTE-01 Thermostat Administrative Parameters

To access Administrative Parameters, hold down the **Mode** and **Fan** buttons until the second beep sounds (10 seconds) and $\mathcal{O}COdE$ is displayed. Use the ▲ ▼ buttons to change $\boxed{00}$ to $\boxed{94}$. Use the **Fan** button to scroll forward and the **Mode** button to scroll back.

Parameter	Display		Description
Unpair Modules	🔋 $\mathcal{O}$UNPAir n	🔋 $\mathcal{O}$UNPAir y	Use the ▲ ▼ buttons to change from "n" to "y", then press **Fan**. $\mathcal{O}$UNPAir All is displayed.
	🔋 $\mathcal{O}$UNPAir All	🔋 $\mathcal{O}$UNPAir 2	Use the ▲ ▼ buttons to select the module(s) desired, then press **Fan** to complete the unpairing process.

Parameter	Display	Description
Enable Auto Changeover	▯ ∂AUTOco N	Use the ▲ ▼ buttons to toggle between "n" (default) and "y", then press **Fan** to select. Selecting "y" enables the AUTO mode selection using the **Mode** button. *Note: Disabling Auto Changeover by pressing "n" will change schedule mode to the current HEAT or COOL mode.*
Button Press Sound	▯ ∂Sound Y	Use the ▲ ▼ buttons to toggle between "y" to "n", then press **Fan**. Pressing "n" will silence buttons. This does not affect the feedback beeps for entering the Parameters/Administrative Parameters or Alarm Output.
Enable Compressor Off Delay	▯ ∂CMPSr Y	Use the ▲ ▼ buttons to toggle between "y" (default) and "n", then press **Fan** to select. Selecting "y" enables a delay timer allowing the compressor to run after the demand is satisfied. *Note: This parameter is not displayed if the thermostat dip switch is set to "2 – FCU".*

Parameter	Display	Description	
Compressor Off Delay Time	⊘CƎELY **5**	Use the ⬆ ⬇ buttons to set Compressor Off Delay Time.	
		Range	3 to 5 minutes
		Default	5 minutes
		Increment	1 minute
Heat/Cool Differential	⊘ƎIFF 2 °F	Use the ⬆ ⬇ buttons to change the minimum differential between the heat and cool setpoints. Press **Fan** to accept. If this value is changed, the current set point, schedule set point, min/max setpoint or freeze protection setpoint may be altered automatically to accommodate the change.	
		Range	2°F to 6°F (1°C to 3°C)
		Increment	1°F (0.5°C)
Span (Hysteresis)	⊘SPAn 1 °F	Use the ⬆ ⬇ buttons to set the span between the room and set point temperatures. Press **Fan** to accept and go to the next parameter. *NOTE: The Span setting may be set no higher than ½ the Heat/Cool Differential.*	
		Range	1°F to 3°F (0.5°C to 1.5°C)
		Increment	1°F (0.5°C)
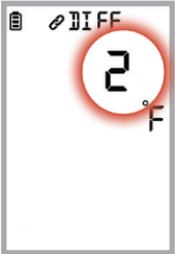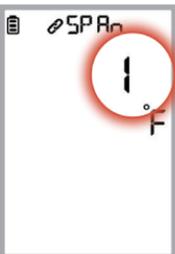
Parameter	Display	Description	
Temperature Offset	OFFSET 0.0 F	Use the ▲ ▼ buttons to set the temperature offset between the room sensor reading and display/set point temperature. This is to eliminate a discrepancy between the sensor reading and actual temperature if it exists. Press **Fan** to accept and go to the next parameter.	
		Range	-6°F to 6°F (-3°C to 3°C)
		Increment	0.5°F (0.25°C)
Emergency Heat Set Point	SET POINT 45 °F EMERG. HEAT	Use the ▲ ▼ buttons to set the room temperature at which a heat demand will be activated to prevent freezing. Press **Fan** to accept and go to the next parameter.	
		Range	41°F to 63°F (5°C to 17°C); --
		Increment	1°F (0.5°C)

Parameter	Display	Description	
Maximum Set Point - Heating	🔋 ⌀MA **SET POINT** **89** °F 〰 HEAT	Use the ⬆ ⬇ buttons to set the maximum temperature set point for heating. Press **Fan** to accept and go to the next parameter. The minimum heating set point is fixed at 41°F (5°C).	
		Range	45°F to 89°F (7°C to 31.5°C)
		Increment	1°F (0.5°C)
Minimum Set Point - Cooling	🔋 ⌀MI **SET POINT** **47** °F ❄ COOL	Use the ⬆ ⬇ buttons to set the minimum temperature set point for cooling. Press **Fan** to accept and go to the next parameter. The maximum cooling set point is fixed at 35°F (95°C)	
		Range	47°F to 94°F (8.5°C to 34.5°C)
		Increment	1°F (0.5°C)
Key Lock	🔋 ⌀LOC **SET POINT** **n**	Use the ⬇ ⬆ buttons to toggle between disable (n) and enable (y) locking the thermostat keypad. With Key Lock enabled, press ⬇ and ⬆ simultaneously on the home screen until LOC is displayed (3 seconds) to lock the keypad. If any key is pressed, LC will be displayed indicating the keypad is locked. To unlock the keypad, Press & hold **Mode** and **Fan** until the second beep is played (10 seconds) and COdE is displayed. Then change the number displayed from OO to 11 and press **Fan**. UNLOC is displayed, indicating the keypad has been unlocked.	
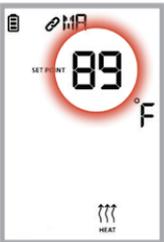
Parameter	Display	Description	
Base Module Alarm Check Period	*PEriod* 5	Use the ▲ ▼ buttons to set the time period for the thermostat to check for alarms from all base modules. *Note: If the thermostat is powered by batteries only, shorter periods will decrease battery life.*	
		Range	1 to 5 minutes
		Default	1 minute
		Increment	1 minute
Factory Reset	*RESET* n	*RESET* y	Use the ▲ ▼ buttons to toggle between "n" to "y", then press **Fan**.
	RESET 3		"3" will be displayed briefly before the HTE-01 begins the re-boot process, starting with displaying all segments.

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