



E-SMART THERMOSTAT T961NN50

OPERATION GUIDE

vtech[®]

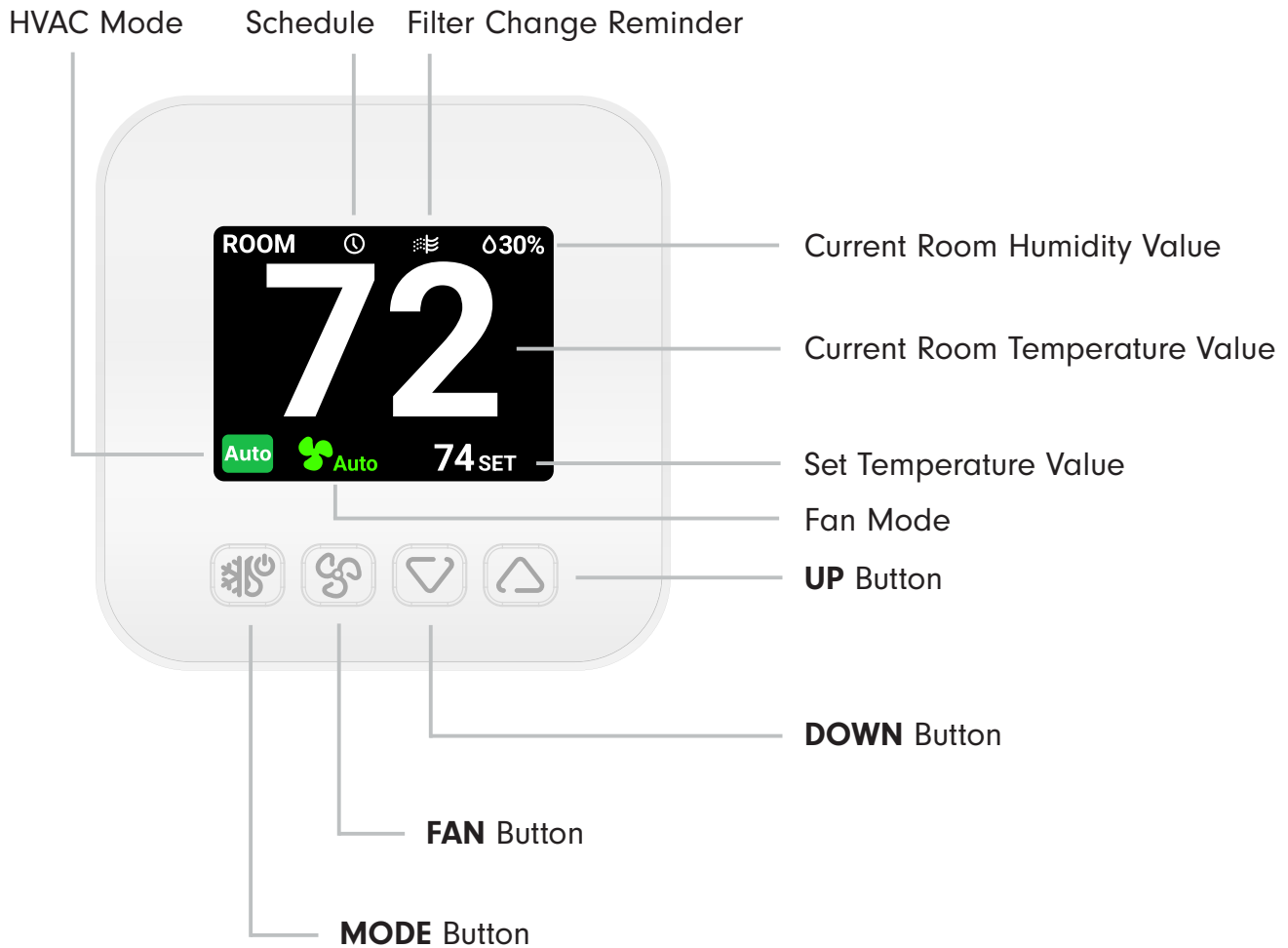
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Thermostat layout



NOTE

- HVAC stands for Heating, Ventilation, and Air Conditioning.
- Only when the humidity, schedule and filter change reminder features are enabled via the EC Tool Pro app, can the current room humidity, schedule, and filter change reminder be displayed on the screen.

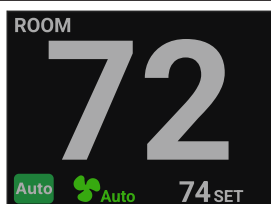
Operation

Wake up screen

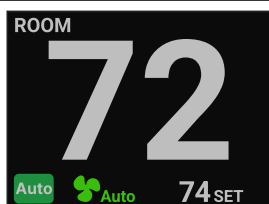
There are two types of idle screens. If Always-on display is enabled via the EC Tool Pro app, the thermostat's screen will go dim after 8 seconds of idleness and the idle screen can show the current HVAC mode, fan mode, room temperature, and the set temperature.

There are three brightness levels for the dimmed display. Dimmed display brightness is set to level 2 by default. Level 3 is the brightest, while level 1 is the dimmest. You can adjust the level of dimmed display brightness via the EC Tool Pro app.

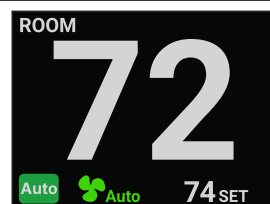
Three Levels of Dimmed Display Brightness



Level 1 (Min)

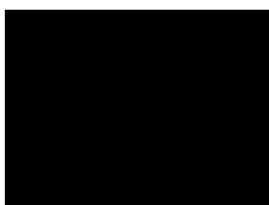


Level 2 (Default)



Level 3 (Max)

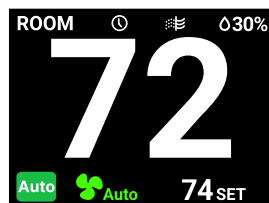
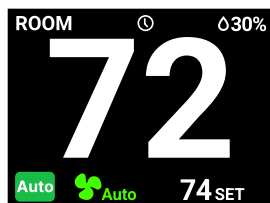
If Always-on display is disabled via the EC Tool Pro app, the screen will go dim after 8 seconds of idleness and then turn black 8 seconds after that.



To wake the thermostat screen from idle, tap any of the four hard buttons (**MODE**/, **FAN**/, **DOWN**/, or **UP**/) on the thermostat.

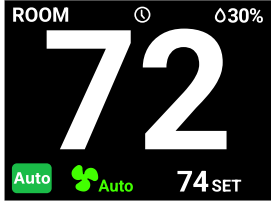
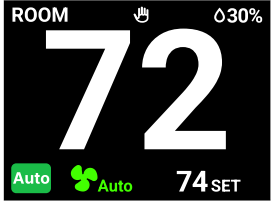
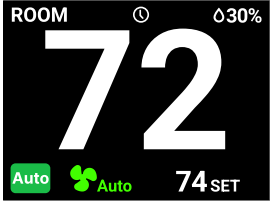
From there, you can check the current HVAC mode, fan mode, room temperature, and the set temperature.

The humidity, schedule and filter change reminder features are disabled by default. If the schedule, humidity and filter change reminder are enabled via the EC Tool Pro app, the current room humidity and the schedule icon/ will also be displayed on both the dimmed screen and the awake screen, but the filter change reminder/ will only be displayed on the screen when your filter life is low and it's time to replace.



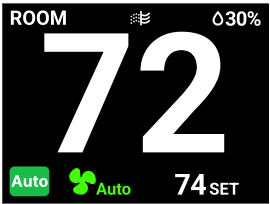
NOTE

- If you tap  and  to wake up the screen, the set temperature will go to the next available degree by +/-1°F or +/-0.5°C.
- Schedule
If a daily schedule has been programmed via the EC Tool Pro app, you will see a schedule icon displayed on the screen. Adjusting any settings will override the existing schedule and a hold icon/ will be displayed until the next scheduled event. You can exit the hold and return to your schedule at any time by pressing/holding the **FAN** button for 3 seconds.

Schedule Enabled	Schedule on Hold	Schedule Resumed
		

- Filter Change Reminder

Filter change reminders are configured in the EC Tool Pro app and include run time options from 15 to 180 days. Once the HVAC system has run for this number of days, you will see a filter change reminder/. After cleaning or replacing the filter, the system icon can be reset in the thermostat’s engineering menu “Reset Filter Change Time”. The filter change reminder / will disappear until it’s time to change your filter again.



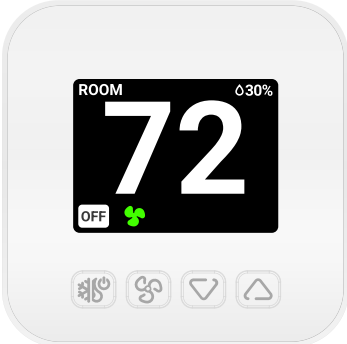
HVAC system modes

- When the screen is awake, tap **MODE**/ to cycle to the next available HVAC system mode.
- Cycle through the modes until the required HVAC system mode is displayed and leave it to activate.
 - Available HVAC modes vary with HVAC system settings.

HVAC system modes	
Auto/ 	Auto mode (Auto-changeover) - The thermostat will switch the HVAC system mode (heat / cool) automatically after deadband limit is reached.
Heat/ 	Heat mode - Thermostat set to only heat to the target temperature.
Cool/ 	Cool mode - Thermostat set to only cool to the target temperature.
Off/OFF	Off mode: HVAC system is turned off.

NOTE

To quickly change the HVAC mode to OFF mode, press/hold the **MODE** / KEY for 3 seconds.



Fan modes

1. When the screen is awake, tap **FAN/** to cycle to the next available fan mode.
2. Cycle through the modes until the required fan mode is displayed and leave it to activate.
 - Available fan modes vary with fan speed settings and HVAC mode selection.

fan modes in Auto/  , Heat/  , and Cool/  HVAC modes		
	Fan mode	Fan status
Fan modes available in 1 Fan Speed setting	Auto/  Auto	Fan cycles on/off with call for heat or cool.
	On/ 	Fan is turned on.
Fan modes available in 2 Fan Speed setting	Auto/  Auto	Fan cycles on/off with call for heat or cool.
	Low/  Low	Continuous low fan
	High/  High	Continuous high fan

fan modes in Off/  HVAC mode		
	Fan mode	Fan status
Fan modes available in 1 Fan Speed setting	Off/(No icon)	Fan is turned off.
	On/ 	Fan is turned on.
Fan modes available in 2 Fan Speed setting	Off/(No icon)	Fan is turned off.
	Low/  Low	Continuous low fan
	High/  High	Continuous high fan

- Fan Off mode option is only available in HVAC system Off mode. This means only when you turn off the HVAC system, can you turn off the fan. If the HVAC system is operating, no matter in Auto/, Heat/ or Cool/ mode, you cannot turn off the fan. The fan keeps running while the HVAC system is operating will help balance air throughout the guestroom. The constant running status allows your blower to keep air circulating, which can help equalize temperatures and reduce hot-and-cold spots in certain areas.
- If you set the fan mode to Off, no any icon will be displayed at the fan mode position on the screen.



Switch temperature unit between °F and °C

When the screen is awake, hold and hold  and  at the same time for 3 seconds to switch to the opposite unit of temperature. If the screen had been displaying the default temperature unit °F, it will now display °C and vice-versa.

Adjust set temperature

- When the screen is awake, tap  or  to adjust the set temperature to the next available degree by +/-0.5°C or +/-1°F.
- Set your desired temperature beyond range by override mode

The thermostat can be programmed to limit the maximum and minimum temperature settings that are available to occupants. This feature as well as the override timeout can be enabled or disabled as a parameter within the profile you used when programming the thermostat using the EC Tool Pro app.

When Temporary Override is enabled, occupants have the ability to temporarily override the min or max temperatures that have been defined via the EC Tool Pro app. To override the preset threshold, tap the up/ or down/ until the maximum temperature setting is reached, then press and hold the up/ or down/ for 3 seconds. This will allow the occupant to override the current setting for the predefined period of time. Once the override time has expired, the system will automatically return to the current schedule or previous mode.

- Set temperature range

Set temperature range		
	Cool/ 	Auto/  Heat/ 
Available temperature range	49-89°F (9.5-31.5°C)	
Comfort point range	55-82°F (13-28°C)	
Setpoint range	Max setpoint range: Comfort point + 1-89°F (31.5°C) Min setpoint range: Comfort point -1 to 49°F (9.5°C)	
Set temperature range in normal operation	Min setpoint - Max setpoint	
Override temperature range	Tap  : Max setpoint + 1-89°F (31.5°C) Tap  : Min setpoint -1 to 49°F (9.5°C)	
Comfort point (default)	74°F (23.5°C)	
Setpoints (default)	Max 77°F (25°C) Min 64°F (18°C)	Max 80°F (26.5°C) Min 65°F (18.5°C)
Normal operation (default)	64-77°F (18-25°C)	65-80°F (18.5-26.5°C)
Override mode (default)	Tap  : 78-89°F (25.5-31.5°C) Tap  : 49-63°F (9.5-17.5°C)	Tap  : 81-89°F (27-31.5°C) Tap  : 49-64°F (9.5-18°C)

Restore profile defaults

Press and hold **MODE/⏻** and **UP/△** buttons at the same time for 8 seconds to restore the default settings of the profile installed on your thermostat, which was configured via the EC Tool Pro app.

Report error

If you see an alert with E01-E05 error codes displayed on the thermostat screen, please refer to **T961NN50 Configuration Guide** for error code definitions and troubleshooting tips. When errors are resolved, the alert will be cleared and the system will return to normal operation.

Some examples of error alerts

 Call for service E01 Firmware Version: W01B21	 Call for service E02 Firmware Version: W01B21	 Call for service E03 E05 Firmware Version: W01B21	 Call for service E01 E04 E05 Firmware Version: W01B21	 Call for service E01 E02 E04 E05 Firmware Version: W01B21
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Customer support

For customer support, email support@vtechhotelphones.com.



support@vtechhotelphones.com



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