



## **E-SMART THERMOSTAT W960**

### **Thermostat and Controller Operation**

# FCC Caution:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

## IMPORTANT NOTE:

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

# ISED Warning

This device complies with Innovation, Science, and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

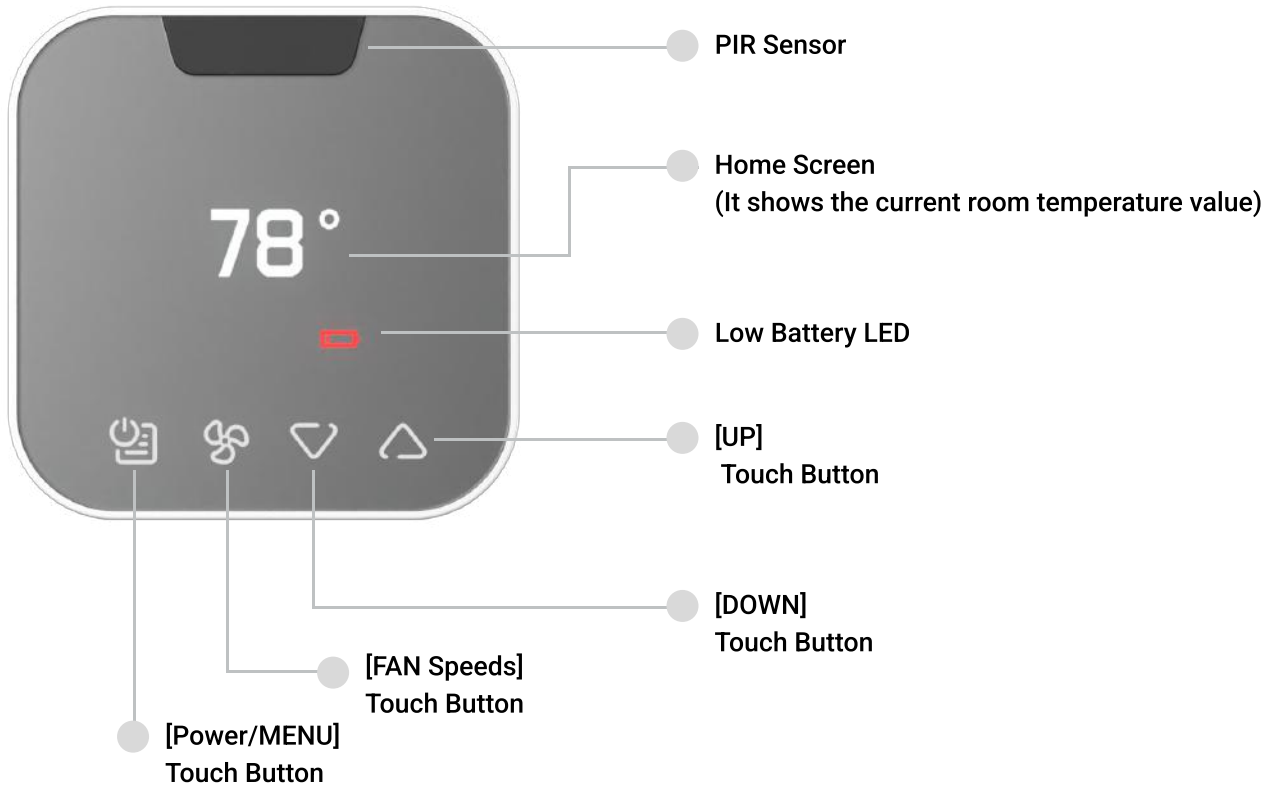
Le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil n' doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The device is compliance with RF exposure guidelines, users can obtain Canadian information on RF exposure and compliance. The minimum distance from body to use the device is 20cm.

Le présent appareil est conforme Après examen de ce matériel aux conformité ou aux limites d'intensité de champ RF, les utilisateurs peuvent sur l'exposition aux radiofréquences et la conformité and compliance d'acquérir les informations correspondantes. La distance minimale du corps à utiliser le dispositif est de 20cm.

# 1. Thermostat Operation







## Turn On the Screen

Touch any key on the screen (e.g. , , , ) to turn on the screen.



## Confirm Selected Option

Press  button.

## Fan Setting

Press  button to enter the fan setting. To select different fan speeds, you may press  button multiple times to cycle through fan speeds or you may press ,  button to change.


## Temperature Setting


Press  or  to adjust the set temperature.


Press  to confirm or 5s timeout.


A tick  will show on the screen if the option has been selected.

### Power OFF the System




1. In the home screen, press .


2. Press  to select the options of "MODE OFF". Wait for 2 seconds, the option will be selected.




3. A word "OFF" will show on the screen, which means the system is powered off.




### Power ON the System



1. Press  to select other options of "MODE". Wait for 2 seconds, the option will be selected.

2. If the system is powered on, it will show the home screen.




### Main Menu (MODE, FAN, TEMP.UNIT)

Press and hold  for 3 seconds in home screen to go to main menu.

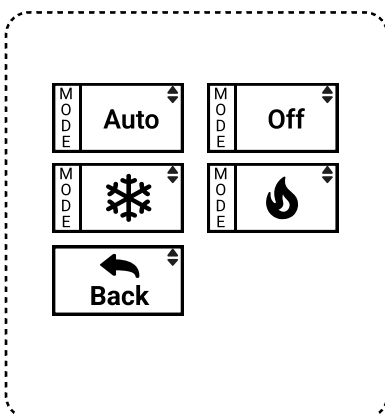
The options of main menu are Mode, Fan, TEMP.UNIT:



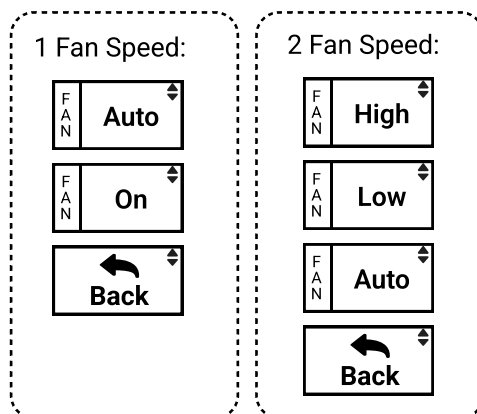
Press  or  to select different options.

Press  to confirm the selected option to enter its sub menu.

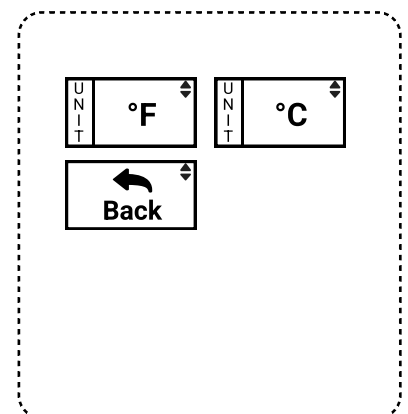
#### Sub Menu (MODE)





#### Sub Menu (FAN)



#### Sub Menu (TEMP.UNIT)



Press  to confirm the option that has been selected in the sub menu.



If you confirmed the option, the thermostat will show a tick . Press any key or wait for 2 seconds, the screen will go back to home screen.

## Restore Profile Setting

Press and hold  and  button for 10 seconds. The prompt  will appear on the thermostat.

Press any key or 3 seconds timeout, then the thermostat will be reset to the profile setting you have configured with the EC Tool.

## Override Temperature Setpoint

Press and hold  or  Key for 3s after release button when reach to maximum or minimum heating/cooling/auto setpoint.

## Low Battery Alert Indicator






When the AAA battery power is low, the Low Battery Alert LED indicator turns on and **flashes red slowly** on the remaining two months of its battery life with 24 months.

When the AAA battery power is extremely low, the Low Battery Alert LED indicator **flashes red fast** on the remaining 2 days of its battery life with 24 months. The display of thermostat will be turned off.

If no  battery LED displays, the thermostat is in normal operation.

## Engineering Mode

Press and hold , , , for 10s to access the engineering mode.  
The menu options of engineering mode are as below:

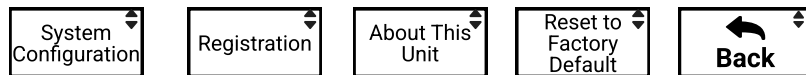


Press  or  to select different options.

Press  to confirm the selected option.



Menu options of "System Setting":



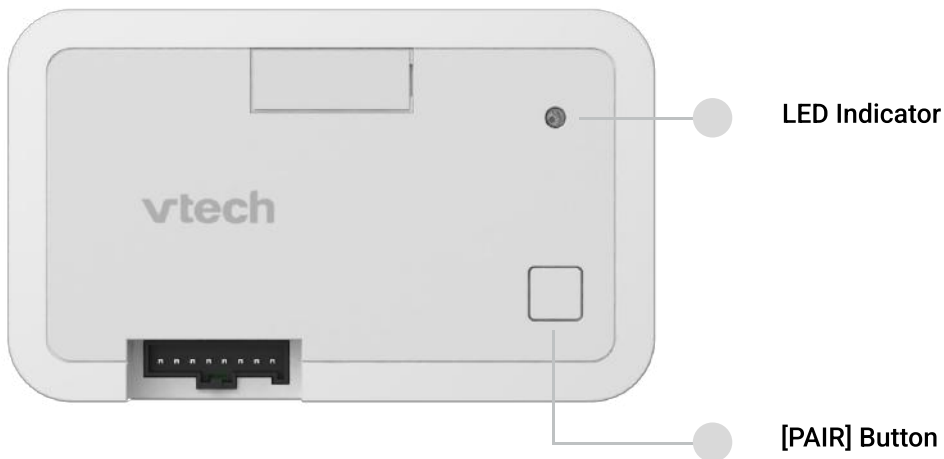
Menu options of "Registration":



**Tour**

It is the demo for you to try out and have fun.

## 2. Controller Operation



### **Pair the Controller with Thermostat**

Hold [PAIR] button on your controller for 5 seconds (but less than 10 seconds), then release the button to start searching an available thermostat.

### **Stop Pairing the Controller with Thermostat**

Hold [PAIR] button for 10 seconds and release to start unpairing.



## Controller LED Indicator

| Dual Color LED                  | Condition   | Annotation   |
|---------------------------------|---|--|
| Flash green                     | Start Zigbee pairing  | <p>Press and hold [PAIR] for 5s (less than 10s), the controller indicator will turn to flash green, and when you release the button, will enter Zigbee pairing mode.</p> <p>During the process of Start Zigbee pairing (with the controller indicator is flash green), if user want to stop the pairing process, can press and hold [PAIR] for 5s.</p> |
| Solid green                     | Paired. Normal operation. The Controller is connected to thermostat operating normally. | /  |
| Flash yellow                    | Removing all devices from system/ Factory reset.  | When there is a paired device, press and hold 10s [PAIR] is to removing all connected devices.   |
| Solid yellow                    | Not paired  | <p>Situation 1: When it is powering up</p> <p>Situation2: If the controller is not paired with thermostat</p>  |
| Flash green & red alternatively | Disconnected. The Controller is searching and trying to reconnect to thermostat.        | After disconnecting thermostat, the controller keeps searching for the thermostat.   |
| Solid red                       | Error   | Any problems cause the HVAC or Controller not working  |



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