Customer Information

Visually Impaired Programmable Talking Thermostat™

- **VIP 1007 Single Stage**
- **VIP 2007 2 Stage & Heat Pump**
- **VIP 2207 2 Stage Heat /Cool**

Congratulations on acquiring the VIP "Talking Thermostat™" specifically designed for visually impaired and blind users. The VIP is the first digital thermostat with audio playback of day, time, indoor temperature, temperature settings and programming instructions so visually impaired & blind users can precisely and easily manage their indoor comfort.

SECTION 1: GETTING TO KNOW THE VIP Talking Thermostat

The best way to get familiar with your new VIP thermostat is to pick it up and examine it! Knowing where everything is located will help you to easily follow its voice instructions.

To get your bearings, hold the VIP thermostat in both hands with the rounded side in your left hand. The thermostat's dimensions are approximately 6 inches across, 4 inches high and 1½ inch deep. Feel along the underside of the thermostat until you touch a flexible plastic ribbon. This ribbon prevents the batteries from discharging during shipping. Remove this ribbon by gently pulling it until it is separate from the thermostat. The thermostat should now have power from the batteries.

Return your hands to their original positions. Move your left thumb up along the curved side until it meets the top flat edge. Now move your thumb down the flat front surface until you find a small round button. This is the HELP button. Press it and you'll hear useful service information. If you don't hear anything, check that the batteries are properly installed and are not discharged. To replace batteries please refer to "Replacing Batteries" in section 4 on page 11.

Move down a little more and you you'll find a one inch round protrusion for the speaker. Move down below the speaker and you'll find another small round button. This is the REPORT button. Press it and you'll hear the day, time, indoor temperature and thermostat setting.

Now move your right thumb up along the flat right side until you reach the corner. Move your thumb down the front surface and you'll find a small round button. This is the backlight and version number button. Briefly pressing the button illuminates the

display screen. Hold down the button for about 7 seconds and you will hear the software version of your VIP thermostat.

Move your thumb about one half inch to the left. You will find two half-circle buttons one above the other separated by about quarter inch space. These are the UP and DOWN buttons used to adjust temperature settings. The top button is the UP button and the bottom button is the DOWN button. Each time you press the UP button the temperature will be raised by 1 degree and the new temperature will be spoken. Each time you press the DOWN button the temperature will be lowered by 1 degree and the new temperature will be spoken.

Move your right thumb down one half inch and then to the left until you find an outward curved flange. Gently pull it with your thumb and the front panel door will swing down open. You can now access the buttons and switches that operate the thermostat.

Place the VIP thermostat on a flat surface. With the panel door open you will find a curved edge at the top of the opening.   Along the curved edge, run your finger to the right until your find the corner edge. Move your finger back left one half inch and then down one half inch until you find a slide switch. This is the MODE switch. With your thumb slide the switch up as far as it will go. The thermostat is now set to run in heat. Slide the switch down until you feel one click. The thermostat is now set to the OFF position. Press the REPORT button to hear confirmation the thermostat setting is off. If you forgot location of the round REPORT button it's on the lower left side of the case. Slide the switch down one more click to the bottom position. The thermostat is now set to run in cool.

Move your finger left about one half inch until you find the other up and down slide switch. This controls your fan. With your thumb slide the switch up as far as it will go. The fan is in the ON position. In the ON position the fan will constantly run. Slide it down until it clicks into the bottom position. The fan is now in the AUTO position to operate only when heating or cooling is running.

Move your finger left about one half inch until you find a round button. This is the YES button. Immediately below it is another round button. This is the NO button. These are used to accept or decline programming changes.

Move your finger left about one quarter inch until you find two more round buttons one above the other. The upper button is the WEEKEND button. The lower button is the WEEKDAY button. The WEEKEND button is used to set up Saturday and Sunday programmable settings. The WEEKDAY button is used to set up Monday through Friday programmable settings.

Move your finger left about one quarter inch until you find two more round buttons one above the other. The top button is the ON/OFF button. The lower button is the RUN button. Press the ON/OFF button. If you hear "Program is On" the thermostat is set to programmable operation. If you hear "Program is Off" the thermostat is set to run as a conventional thermostat. Pressing the ON/OFF button again and you'll hear the opposite setting. The RUN button is pressed to accept program changes.

Move your finger left one-quarter inch until you find one more round button. This is the DAY/TIME button. Press this button to change day and time to the correct settings.

Move your finger left and down about one-quarter inch until you find a much smaller round button. This is the RESET button. Briefly press the RESET button if you wish to exit program setup without accepting any changes.
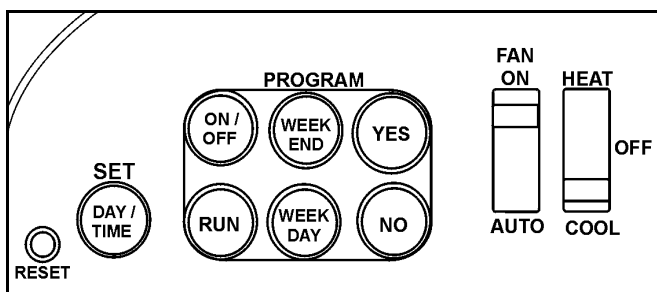
Close the front panel door by swinging it up until it clicks into place. Find the door's outward curved flange again and then move your finger up until you find a smooth, one by two inches rectangular surface. This is the LCD screen that displays all operations that are spoken.

That's it! For more information about the function of each button or switch refer to the **Case Buttons & Display Screen** and the **Front Panel Switches & Buttons** sections.

SECTION 2: GETTING TO KNOW EACH FEATURE

Now that we've reviewed the general layout, let's go over the function of all buttons, switches and other features. As each is reviewed, see if you can locate them on your thermostat.
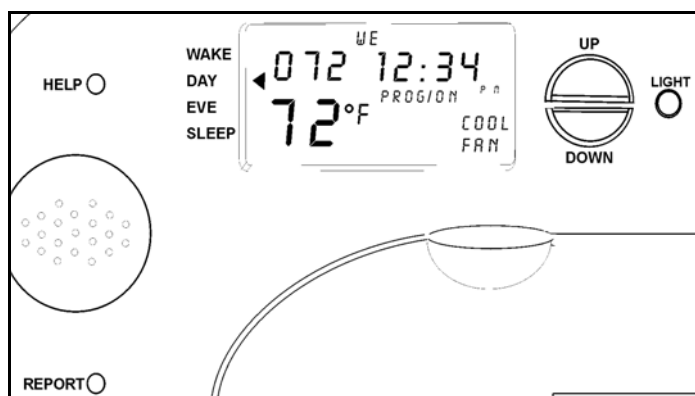

Front Panel Switches & Buttons

Most of the set up buttons and switches are located inside the front panel door. Gently pull the door down to access these.

- RESET Button: Briefly press the RESET button when you wish to exit program setup without accepting any changes. Your original program settings will be maintained.

- SET DAY/TIME Button: Press this button to hear instructions on adjusting the day and/or time settings.

- ON/OFF Button: This turns the programmable operation on and off. Press this button to hear "Program is On" or "Program is Off".   Press again toggles between program on and program off.

- RUN Button: This advances and stores programming changes. It also is used to turn off a temporary override of a programmable temperature setting *(For the sighted user the word OVERIDE disappears from the display screen)*

- WEEKEND Button: Press this to program Saturday and Sunday time and temperature settings

- WEEKDAY Button: Press this to program Monday through Friday time and temperature settings

- YES Button: Press to accept a voice instruction.

- NO Button: Press to decline a voice instruction.

- FAN SWITCH placed in the ON Position: When this slide switch is all the way up the fan runs continuously. *(For the sighted user FAN appears on the display screen when in the ON position).*

- FAN SWITCH placed in the AUTO Position: When this slide switch is all the way down the fan runs only when heating or cooling is operating

- MODE SWITCH in HEAT Position: When this slide switch is all the way up the thermostat is set to bring on heating. *(For the sighted user HEAT appears on the display screen when operating)*

- MODE SWITCH in OFF Position: When this slide switch is the middle position up the thermostat is off and will not bring on heating or cooling. You'll hear "the thermostat setting is OFF" when the REPORT button is pressed. *(For the sighted user OFF appears at the temperature setting location on the display screen when OFF)*

- MODE SWITCH in COOL Position: When this slide switch is all the way down the thermostat is set to bring on cooling. *(For the sighted user COOL appears on the display screen when operating)*

Case Buttons & Display Screen

All case buttons are located on the front of thermostat for ready ease of use.

- HELP Button: Press this button to hear useful service information.

- REPORT Button: Press this button to hear the day of week, time, indoor temperature and the temperature setting.

If you don't hear any audio playback or hear a low battery warning when the REPORT button is pressed, replace the batteries as explained on page 11. *(For the sighted user, the display screen may display LO BAT or be blank.)*

If you hear "It's time to check your air filter…" when the REPORT button is pressed your heating & cooling system has run sufficient operating hours to require your air filter be checked. *(For the sighted user CHK FILT appears on the display screen. It will disappear once the REPORT button is pressed).*

If you hear "Your system has run the recommended number of hours before requiring service" your heating & cooling system is due for routine maintenance service. *(For the sighted user "CFS" appears at the temperature setting location on the display screen. "CFS" stands for Call For Service.)* To discontinue the message and remove the CFS display press and hold the NO button down for 10 seconds.

If you hear "It's time to service your air purification system" your UV light bulb is near the end of its life expectancy and should be replaced.   If you don't have an air purification UV light see "Adjusting Filter and CFS Settings" on page 4 of the *"User's Guide"* instructions (included in thermostat box) to discontinue the UV alert message.

- UP Button: For each time pressed you'll hear the temperature setting increased by one degree.

- DOWN Button: For each time pressed you'll hear the temperature setting decreased by one degree.

- BACKLIGHT AND VERSION NUMBER Button: Briefly press and the display screen is illuminated by a backlight.   Press the same button down for approximately 7 seconds and you'll hear the software version number of your VIP thermostat.

- WAKE Time: during program set up you'll hear a request to program this time period for time & temperature setting. WAKE is the time you get up from sleeping. *(For the sighted user, an arrow points to WAKE the display screen)*

- DAY Time: this is the second time period you'll be asked to program. DAY is the time you leave your home for the day. *(For the sighted user, an arrow points to DAY the display screen)*

- EVENING Time: this is the third time period you'll be asked to program. EVENING is the time you return home for the evening. *(For the sighted user, an arrow points to EVE the display screen)*

- SLEEP Time: this is the fourth time period you'll be asked to program. SLEEP is the time you go to sleep. *(For the sighted user, an arrow points to SLEEP the display screen*

- DAY of WEEK: You will hear the day of week when the REPORT button is pressed. *(For the sighted user the current day of the week appears on display screen).*

- AM or PM: you will hear AM or PM after the time played when the REPORT button is pressed. *(For the sighted user AM or PM appears on display screen).*

- FAHRENHEIT: You will hear temperatures in degrees Fahrenheit. *(For the sighted user the F symbol appear on the display screen)*

- CELSIUS: If you prefer to hear the temperature in degrees Celsius press and hold both the YES and NO buttons down for at least 7 seconds. *(For the sighted user the C symbol appear on the display screen)*

- OVERRIDE: You can temporarily override the programmable temperature setting until the next time period by pressing the UP or DOWN button. You will hear your new temperature setting with each press of the UP or DOWN button. *(For the sighted user OVERRIDE appears on the display screen).*

SECTION 3: SETTING UP YOUR THERMOSTAT

Okay, now that you familiar where the button and switches are located, its time to get your thermostat ready to install.

Changing the Day and Time Setting

The first thing to you need to program is the correct day and time. Press the DAY/TIME button and you'll hear the default settings and if you want to change it.

"Monday 12:00 AM" "Do you want to change the Day or Time Settings? Press YES or NO."

- If the NO button is pressed, the day and time settings remain the same.

- Press the YES button and you'll hear:

"Would like voice instructions? Press the YES or NO button."

- Press the YES button

"Press the UP or Down Key to set minutes. When finished press RUN"

- Press the UP button once and you'll hear "1". Press again and you'll hear "2". Keep pressing until you've set the correct number of current minutes. When you have, press the RUN button to accept and the correct minute setting is repeated. Then you'll hear.
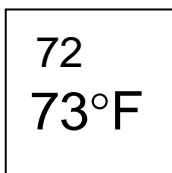
"Press the UP or Down Key to set the hour of the day. When finished press RUN"

- Press the UP button once and you'll hear "1 AM". Press again and you'll hear "2 AM". Keep pressing until you've set the correct hour time. Keep pressing until you've set the correct hour time. When you have, press the RUN button to accept it. The correct hour setting is repeated and then you'll hear.

"Press the UP or Down Key to set the day of the week. When finished press RUN."

- Press the UP button once and you'll hear "Tuesday". Press again and you'll hear "Wednesday". Keep pressing until you've set the correct day of the week. When you have, press the RUN button to accept and the correct day of the week setting is repeated. Then you'll hear your new setting's day, hour and minute setting followed by "Program complete"

Congratulations, you've now changed the day and time to their correct settings. Now anytime you wish to hear the day of the week, time, indoor temperature and temperature setting just press the REPORT button.

72 73°F	*(For the sighted user, on the display screen the larger, lower number is the indoor temperature. Above it is smaller number that is the temperature setting)*

Regular or Programmable Operation

The VIP can be used as a regular or a programmable thermostat by pressing the PROGRAM ON /OFF button.

When pressed and "Program is Off" is heard, the VIP operates as a regular thermostat. Each press of the UP or DOWN key changes the setting by one degree. You also hear each degree change as you press the button.

What is Programmable Operation?

When set to programmable operation the VIP thermostat will automatically change your temperature setting four times each weekday and weekend day. This can save you money by not excessively running your system when you are away or asleep.

To determine if the thermostat is set to programmable operation, flip down the front panel door and press the ON/OFF button. If you hear "Program is On" the thermostat is set to run programmable operation. If you hear "Program is Off" press the button again and you'll hear "Program is On". **Note:** to lock-out programmed operation so it always runs as manually adjusted thermostat, see page 3 of the *"User's Guide"* instruction sheet (included in the thermostat box).

The VIP comes preprogrammed with default time and temperature settings. To hear these settings press the WEEKDAY or WEEKEND button and when instructed to "Press the UP or DOWN key to set WAKE time. When finished press RUN" just press the NO button.   Pressing the NO button allows you to hear the current WAKE time settings without making any changes. Follow the same procedure of pressing the NO button as the program advances to DAY time, EVENING time and SLEEP time.

WEEKDAY *(Default Settings)*	Time	Heat ºF	Cool ºF
Wake Up	6 AM	70º	78º
Day	8 AM	62º	85ºº
Evening	6 PM	70º	78º
Sleep	10 PM	62º	82º
WEEKEND *(Default Settings)*	Time	Heat ºF	Cool ºF
Wake Up	6 AM	70º	78º
Day	8 AM	62º	85ºº
Evening	6 PM	70º	78º
Sleep	10 PM	62º	82º

Changing Your Programmable Operation Settings

You can conveniently make changes to your programmable settings before or after installing the thermostat.

Begin by opening the front panel door and move the far right slide switch all the way up to the HEAT position. If the slide switch is set to the OFF position, the VIP will remind you to "turn system to heat or cool and then press the WEEKDAY or WEEKEND button"

To change the Monday through Friday program settings, press the WEEKDAY button and you'll hear:

"Do you want to change the program? Press YES or NO."

- If the NO button is pressed, the programmable settings remain the same.

- Press the YES button you'll hear the following voice message."

"Would you like voice instructions? Press YES or NO."

- Press the YES button and you'll hear:

"Press the UP or DOWN key to set WAKE time. When finished press RUN. 70 Degrees 6:00 AM"

- Each press of the UP or DOWN key advances the minute setting by 10-minute increments. Press the UP button once and you'll hear "10". Press it again and you'll hear "20". Press RUN button to accept your changes and you'll hear "20" your new minute setting. You'll then hear:

"Press the UP or DOWN key to set hour of the day. When finished press RUN.

- Press the UP button once and you'll hear "7 AM". Press it again and you'll hear "8 AM". Press the RUN button to accept your changes and you'll hear "8 AM" your new hour setting. You'll then hear:

"Press the UP or DOWN key to set temperature. When finished press RUN."

- Press the UP button once and you'll hear "71". Press it again and you'll hear "72". Press the RUN button to accept your changes and you'll hear your new temperature setting: "72".

You will then hear:

"Press the UP or DOWN key to set DAY time. When finished press RUN.

Follow the same procedure as did for WAKE time to adjust the DAY Settings. Evening and Sleep Settings will follow and are adjusted the same way.

To change the Saturday and Sunday program settings, press the WEEKEND button and follow the same procedure as you did for WEEKDAY.

To change your programmable operation settings for cool, simply slide the MODE switch all the way down to the COOL position and follow the same procedure.

To exit programming set up without making any changes to your existing settings briefly press the RESET button with the tip of a ballpoint pen or pencil.

Now that we've gone through everything it's a good idea to practice using the thermostat. A good place to start is by actually programming the Programmable Operation settings to your own time and temperature preferences. Don't be afraid to change things. You can't break it and any wrong settings can always be corrected!

☑ **Time Saving Tip:** To accept the current time period settings just press the NO button when you hear "Press the UP or DOWN key to set Wake, Day, Evening or Sleep time. When finished press RUN" button". This allows you to skip time periods that don't require any setting changes. It is especially useful when you wish to change a few time and/or temperature settings.

SECTION 4: OTHER THERMOSTAT CAPABILITIES

Quick Program Override

When program is on, programmed temperature settings can be temporarily overridden by pressing the UP or DOWN buttons. You'll hear the new temperature setting with each press of the UP or DOWN button. The new temporary temperature setting will remain until the next program time occurs or the RUN button is pressed. *(For the sighted user the word OVERRIDE appears on the display screen).*

Temperature Span

The temperature span to bring your system on & off is calibrated for normal operation. If adjustment is desired, please refer to the "Setting Cycle Rate" section on page 5 of the *"User's Guide"* instruction sheet or contact your service company.

Replacing Batteries (LO BAT)

To change batteries, first remove the front body by pressing your thumb on the plastic clasp located in the middle of the lower edge. While pushing the clasp in with your thumb carefully tilt the front body until detached.

4 AA batteries are located at the inside top of the front body. Press the batteries upward to remove them from bracket and replace with fresh 4 AA alkaline batteries. Make sure the positive ends of the new batteries are inserted facing the "non-spring" positive terminals of the battery compartment.   *Note: installing batteries the wrong way can damage the thermostat.*

Check Filter (CHK FILT) Call For Service (CFS) and UV Light (ULV) Alerts

When the REPORT button is pressed after the programmed time has expired the VIP will remind you to clean or replace your air filter and to call your service company for routine maintenance or UV Light replacement. *(For the sighted user the words CHK FILT, CFS and ULV appear on the display screen).* The default setting is 1 month for the Check Filter alert, 6 months for the Call for Service alert and zero (off) for the UV Light alert. If a different time periods are desired, please contact your service company. To remove the Check Filter alert press the REPORT button. To remove the Call For Service alert press and hold down the NO button for 6 seconds. To remove the UV Light alert press and hold down the YES button for 6 seconds.

SECTION 5: SPECIAL INSTRUCTIONS - VIP 2007 (Two Stage Heat & Heat Pump) and VIP2207 (Two Stage Heat/ Two Stage Cool) THERMOSTATS

Note: this section only applies to owners of the VIP 2007 and VIP2207 thermostats.

The first stage of the VIP 2007 and 2207 has the same features and operation as the VIP 1007 single stage.   The VIP 2007 and 2207 will engage the second stage heating if after eight minutes it senses that that additional heat is required. For sighted users the screen displays the HEAT and HI icons when the thermostat is calling for heat in second stage. The VIP2207 will display the COOL and HI icons when the thermostat is calling for second stage cooling. The thermostat will then cycle between first and second stage as demand for heating requires (and, for VIP2207 models only, as cooling requires).

Second Stage Temperature Differential

The temperature differential to bring second stage heating (and, if a VIP2207, cooling) on and off is calibrated for normal operation. If adjustment is desired, printed instructions are on page 6 for heating and (for VIP2207 models only) page 7 for cooling of the *"Users Guide"* (included inside the thermostat box) or contact your service company.

Activating Emergency Heat on Heat Pump Systems (VIP2007 Only)

If the heat pump fails to operate due a broken fan blade or other problem, you can shut down the heat pump and operate on auxiliary or emergency heat until service is available. To activate emergency heat press and hold both the YES and RUN buttons down for about 8 seconds or until you hear the relay click. For the sighted user the EON icon will appear on the display screen. To disengage or deactivate the emergency heat press and hold both the YES and RUN buttons down for about 8 seconds or until you hear the relay click. For the sighted user the EOF icon will briefly appear on the display screen and then disappear. Currently, audio playback to indicate emergency heat operation is not available.

Please note that the emergency heat feature will not operate on heat pump systems using an outdoor thermostat. Please contact your service company should you have any questions about using the VIP 2007 with you heat pump system.

SECTION 5: FEATURES:

- Audio playback of current day, time, indoor temperature and temperature setting for the visually impaired.
- Complete audio walk through instructions of thermostat set up & programming.
- Audio alerts when air filter needs checking, batteries low and system hours indicate service is required.
- VIP 1007 operates on most single stage gas, oil or electric heating & cooling systems
- VIP 2007 operates on most two stage and heat pump heating & cooling systems
- VIP 2207 operates on most two stage heating/ two stage cooling systems
- 5/2 Programming (weekday /weekend)
- 4 time & temperature program settings
- Off the wall programmable
- Battery powered (4 "AA" alkaline)
- Temperature range 40º F to 90º F
- Stores heating & cooling temperature settings

NOTE: For more in-depth, detailed technical information please consult the *"User's Guide"* instruction sheet included in the thermostat product box.

This thermostat was designed and manufactured by

SmartWay Solutions, Inc.

1309 Dealers Avenue

New Orleans, LA 70123

The Talking Thermostat
US Patent 6,608,560 & 7,142,253

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Money Isn't All You're Saving