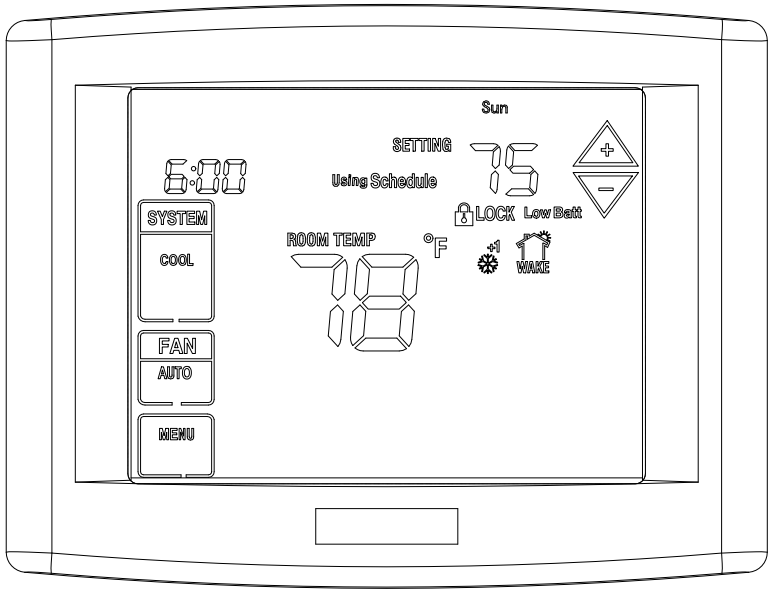
SASWELL

SAS6000UTK-7-WIFI



OPERATING

INSTRUCTION

SASWELL GROUP(HK),LTD

This manual apply for SAS6000UTK-7-WIFI,used with Single Stage,Multi-Stage,Heat pump and has mobile control function .

SPECIFICATION

- Power Supply …… Dual Power 24VAC (18-30VAC,50/60Hz) or Battery Powered
- Terminal Load……1.0 A per terminal, 2.0A maximum total load
- Set point Temperature Range……41℉ to 95℉(5℃ to 35℃)
- Operating Ambient……..32℉ to 122℉ (0℃ to 50℃)
- Operating Humidity……...90% non-condensing max
- Shipping Temperature Range…….. 14℉ to +140℉ (-10℃ to 60℃)
- Dimensions……. 5.9 inch×4.5 inch×1.2inch(150mm×115mm ×32mm)
- Color……White

FEATURE

- Apply with various kind of heating and cooling system. Including Single stage, Multi-stage And Heat Pump (Up to 3-stage heat, 2-stage cool, with Aux. Or Emergency heat)
- Large LCD display with backlight, continuous backlight option
- Menu Driven Programming

- The screen displays the set temperature, the room temperature and current time simultaneously
- Fan switch with on and auto
- Auto change over
- Permanent user setting retention during power loss, no batteries are required,
- Optional 7 day programming and non-programmable
- Optional temperature display of Celsius or Fahrenheit scale
- Both Vacation mold and hold duration mode available for comfort and energy saving
- Air filter change indicator
- UV light change indicator

IMPORTANT SAFETY INFORMATION

- Always turn off power at the main power source by unscrewing fuse or switching circuit breaker to the off position before installing, removing, cleaning, or servicing this thermostat.
- Read all of the information in this manual before installing this thermostat.
- Only a professional contractor should install this thermostat.
- All wiring must conform to local and national building and electrical codes and ordinances.
- Use this thermostat only as described in this manual.

KEYBOARD, DISPLAY AND SWITCH DESCRIOPTION

Touch Screen Thermostat

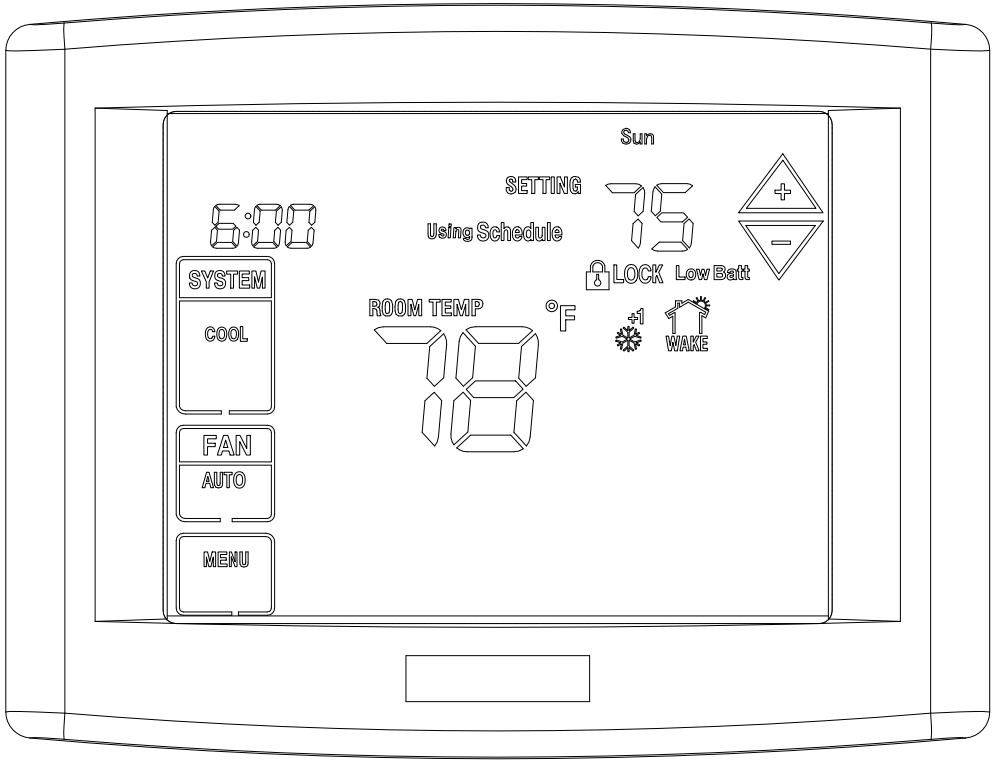


Figure 1

Home Screen Description

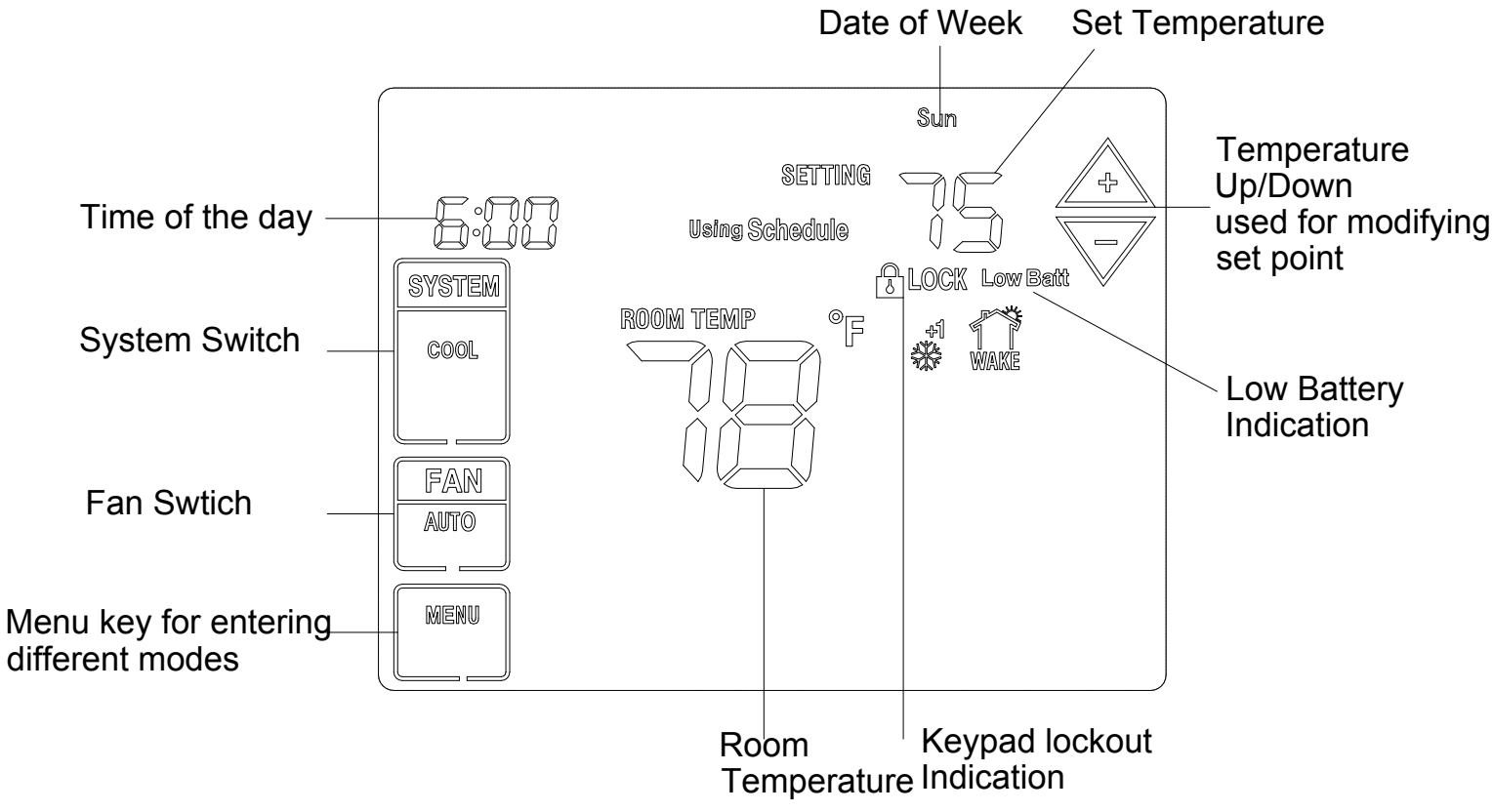


Figure 2

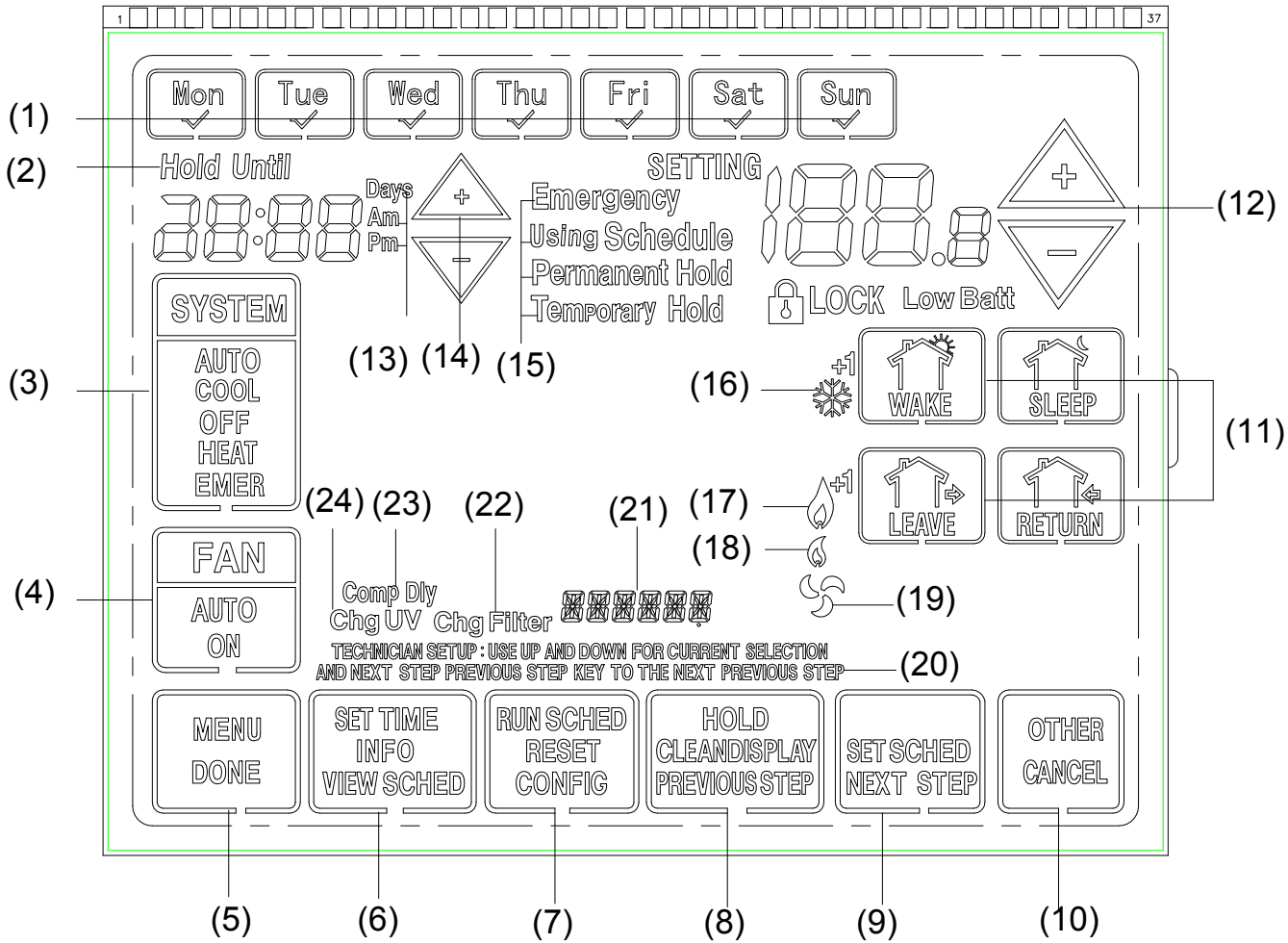

Mon
Tue
Wed
Thu
Fri
Sat
Sun
Hold Until
Days
Am
Pm
SETTING
Emergency
Using Schedule
Permanent Hold
Temporary Hold
LOCK
Low Batt
SYSTEM
AUTO
COOL
OFF
HEAT
EMER
FAN
AUTO
ON
WAKE
SLEEP
LEAVE
RETURN
Comp Dly
Chg UV
Chg Filter
TECHNICIAN SETUP : USE UP AND DOWN FOR CURRENT SELECTION
AND NEXT STEP PREVIOUS STEP KEY TO THE NEXT PREVIOUS STEP
MENU
DONE
SET TIME
INFO
VIEW SCHED
RUN SCHED
RESET
CONFIG
HOLD
CLEANDISPLAY
PREVIOUS STEP
SET SCHED
NEXT STEP
OTHER
CANCEL
(1)
(2)
(3)
(4)
(5)
(6)
(7)
(8)
(9)
(10)
(11)
(12)
(13)
(14)
(15)
(16)
(17)
(18)
(19)
(20)
(21)
(22)
(23)
(24)

Figure 3

(1) Press day(s) to set program schedule

(2) "**Hold Until**" indicates the time when a temporary hold period will end

(3) Press to select system type

(4) Press to select fan operation

(5) Press "**MENU**" to display first function menu of button (6) (7) (8) (9) (10)
Press "**DONE**" to confirm current setting

(6) Press "**SET TIME**" to set current time clock
Press "**INFO**" to check outside temperature or inquiry for count back time for changing filter or inquiry for UV light duration hours.

(7) Press "**RUN SCHED**" to resume program operation
Press "**RESET**" to current program setting or current configuration setting to factory default value
Press "**CONFIG**" to set configuration menu item

(8) Press "**HOLD**" to permanent hold current set point
Press "**CLEAN DISPLAY**" for entering 30 second count back time for cleaning the display
Press "**PREVIOUS STEP**" for going back to last configuration menu item

(9) Press "**SET SCHED**" for setting schedule for each days of the week
Press "**NEXT STEP**" for going forward to next configuration menu item or next day of week when setting schedule.

(10) Press "**OTHER**" for entering the second function menu of (5) (7) (8) (10)
Press "**CANCEL**" to disregard current setting and go back to last operation

(11) Press "**WAKE**" "**LEAVE**" "**RETURN**" "**SLEEP**" to choose the 4 setting period of each day when setting program

schedule

(12) Press **UP** and **DOWN** for modifying set point

(13) "**Days**" displays during steps in setting vacation duration days or count back days of vacation duration days
"**Am**" indicate current time clock is in the morning. "**Pm**" indicates current time clock is in the afternoon

(14) Press **UP** and **DOWN** for setting current time clock or setting time in programming or changing selections in configuration menu or setting the time when a temporary hold period will end

(15) "**Emergency**" flashes when system mode is set "**EMER**"
" **Using Schedule**" displays when thermostat is operating under presetting schedule
" **Permanent Hold**" displays when thermostat is in permanent hold setting temperature period
" **Temporary Hold**" displays when thermostat is in temporary hole setting temperature period

(16) displays when first stage cooling activate

displays when both first stage cooling and second stage cooling activate

(17) displays when first stage heating activate

displays when both first stage heating and second heating activate

(18) displays when Auxiliary heating or Emergency heating activate

(19) displays when circulating fan activate

(20) "**TECHNICIAN SET UP: USE UP AND DOWN FOR SURRENT SELECTION AND NEXT STEP PREVIOUS STEP KEY TO THE NEXT PREVIOUS STEP**" displays to help technician how to operate in configuration mode

(21) Indicate current status of the thermostat

(22) "**Chg Filter**" displays indicate changing filter count back has expired

(23) "**Comp Dly**" displays when compressor delay lock out activate

(24) "**Chg UV**" displays when changing UV duration days has expired

Direct switch AP mode: Long Press **System** Switch from direct connect to **AP** mode, from **WIFI** switch to **AP** display.

When the battery power alone, **WIFI** function failure, When the external power supply, **WIFI** Function effectively.

INSTALLATION

1. Pull the thermostat body off the thermostat base. Forcing or prying on the thermostat will cause damage to the unit.
2. Place base over hole in wall and mark mounting hole locations on wall using base as a template
3. Move base out of the way. Drill mounting holes. If you are using existing mounting holes and the holes drilled are too large and do not allow you to tighten base snugly, use plastic screw anchors to secure the base.
4. Fasten base snugly to wall using mounting holes shown in Figure 3 and two mounting screws. Leveling is for appearance only and will not affect thermostat operation.
5. Connect wires to terminal block on base using appropriate wiring schematic (See Figure 5、Figure 6)
6. Carefully line the thermostat up with the base and snap into place.

Battery Location

Batteries are optional (to provide backup power) if your thermostat was wired to run on AC power when installed.

Battery replacement

Install fresh batteries immediately when the **Low Batt** warning begins flashing. The warning flashes about 60 days before batteries are depleted. Even if the warning does not appear, you should replace batteries once a year, or before leaving home for more than 1 month

To replace batteries, set system to OFF, remove thermostat from wall and install the batteries in the rear along the top of the thermostat. (See figure 4)

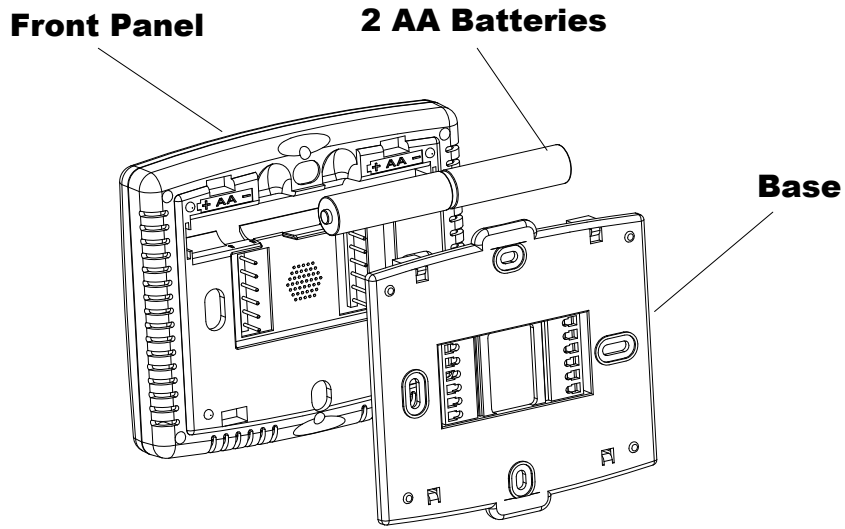


Figure 4

WIRING DIAGRAM

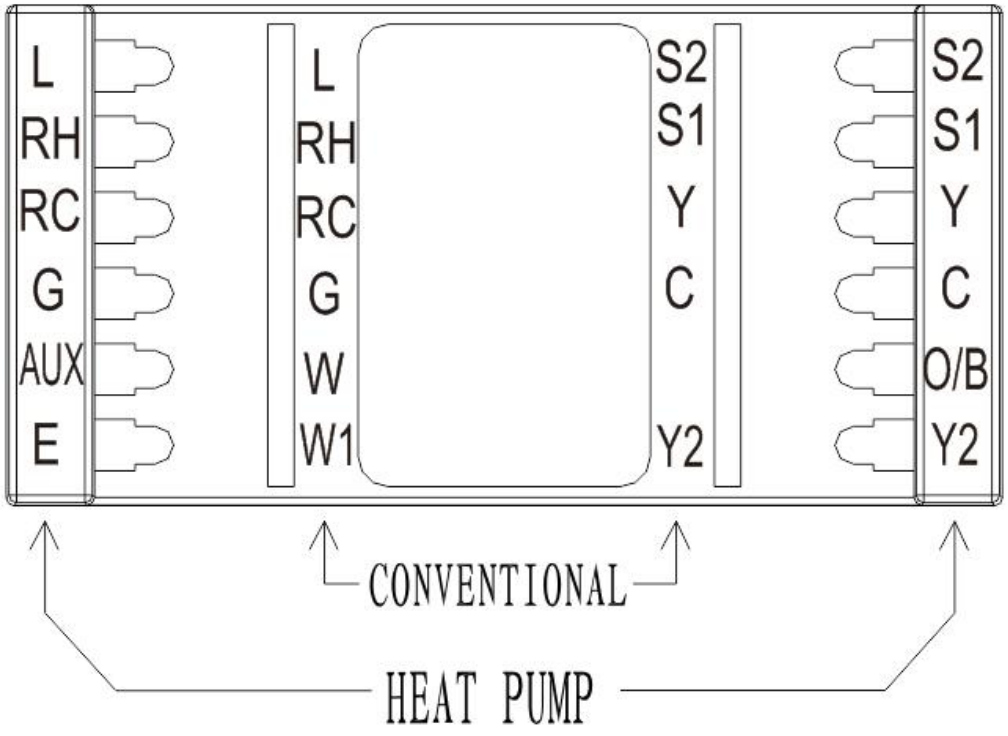


Figure 5

Wiring guide

1H/1C System（1 transformer）

RC	Power 【1】
RH	(RH+RC joined by jumper)
W	Heat Relay
Y	Compressor contactor
G	Fan relay
C	24VAC common
S1/S2	Remote sensor

1H/1C System（2 transformer）

RC	Power (cooling transformer) 【1,2】
RH	Power (heating transformer) 【1,2】
W	Heat relay
Y	Compressor contactor
G	Fan relay
C	24VAC common
S1/S2	Remote sensor

2H/2C System (1 transformer)

RC	Power 【1】
RH	(RH+RC joined by jumper)
W	Heat relay 1
Y	Cool relay 1
W2	Heat relay 2
Y2	Cool relay 2
G	Fan relay
C	24VAC common
S1/S2	Remote sensor

2H/2C System (2 transformer)

RC	Power 【1,2】
RH	(RH+RC joined by jumper) 【1,2】
W	Heat relay 1
Y	Cool relay 1
W2	Heat relay 2
Y2	Cool relay 2
G	Fan relay
C	24VAC common
S1/S2	Remote sensor

1H/1C Heat Pump (no auxiliary heat)

RC	Power 【1】
RH	(RH+RC joined by jumper)
Y	Compressor relay
O/B,O:	Changeover valve energized in heating
B:	Changeover valve energized in cooling
G	Fan relay
C	24VAC common
S1/S2	Remote sensor

2H/2C Heat Pump (no auxiliary heat)

RC	Power 【1,2】
RH	(RH+RC joined by jumper) 【1,2】
Y	Compressor relay
O/B,O:	Changeover valve energized in heating
B:	Changeover valve energized in cooling
Y2	Compressor 2 relay
G	Fan relay
C	24VAC common
S1/S2	Remote sensor

2H/1C Heat Pump (with auxiliary heat)

L	Equipment monitor 【5】
RC	Power 【1】
RH	(RH+RC joined by jumper)
Y	Compressor relay
E	Emergency heat relay 【6】
Aux	Auxiliary heat relay (Heat 2) 【6】
O/B,O:	Changeover valve energized in heating
B:	Changeover valve energized in cooling
G	Fan relay
C	24VAC common
S1/S2	Remote sensor

3H/2C Heat Pump (with auxiliary heat)

L	Equipment monitor 【5】
RC	Power 【1】
RH	(RH+RC joined by jumper)
Y	Compressor relay
E	Emergency heat relay 【6】
Aux	Auxiliary heat relay (Heat 2) 【6】
O/B,O:	Changeover valve energized in heating
B:	Changeover valve energized in cooling
Y2	Compressor relay 2
G	Fan relay
C	24VAC common
S1/S2	Remote sensor

【1】 Power supply

【2】 Remove jumper for 2-transformer system

【3】 Optional 24VAC common connection

【4】 Common connection must come from cooling transformer

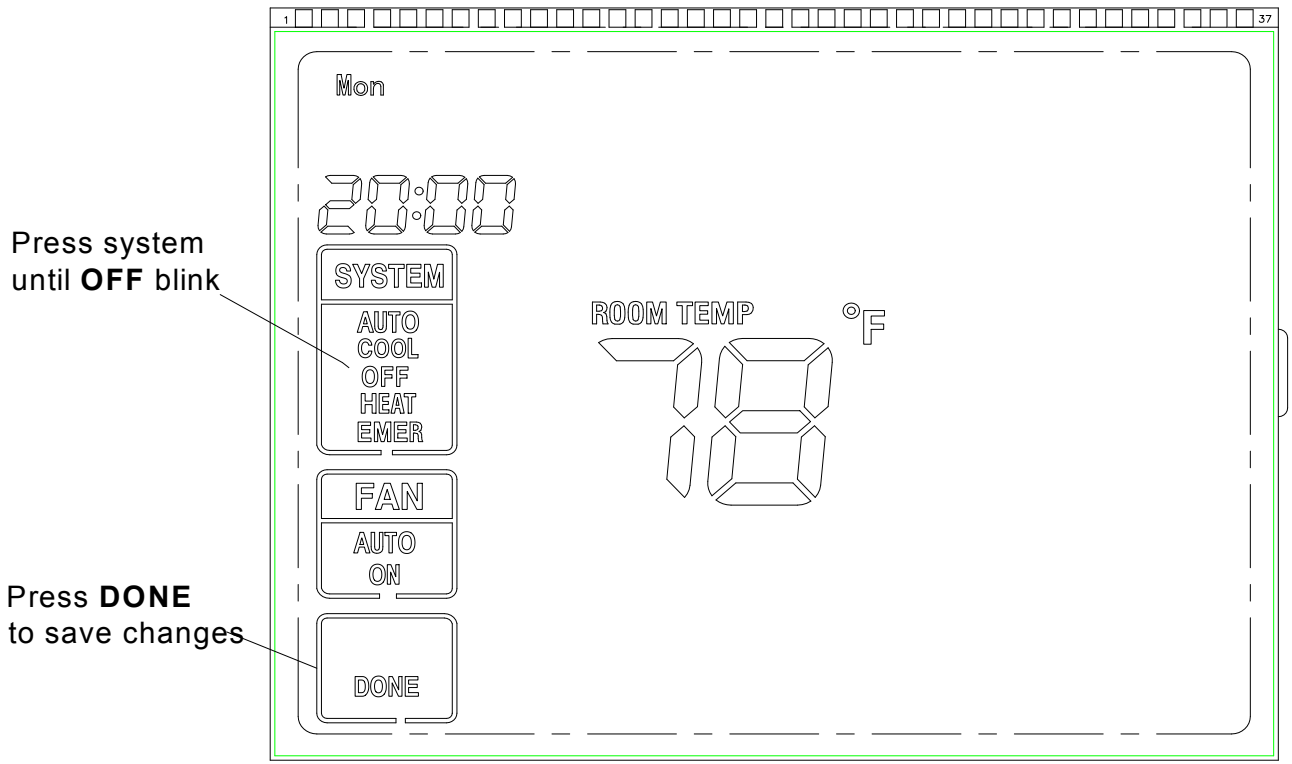
【5】 If L terminal is used, 24VAC common (terminal C) must be connected

【6】 Install field jumper between Aux and E terminals if there is no emergency heat relay

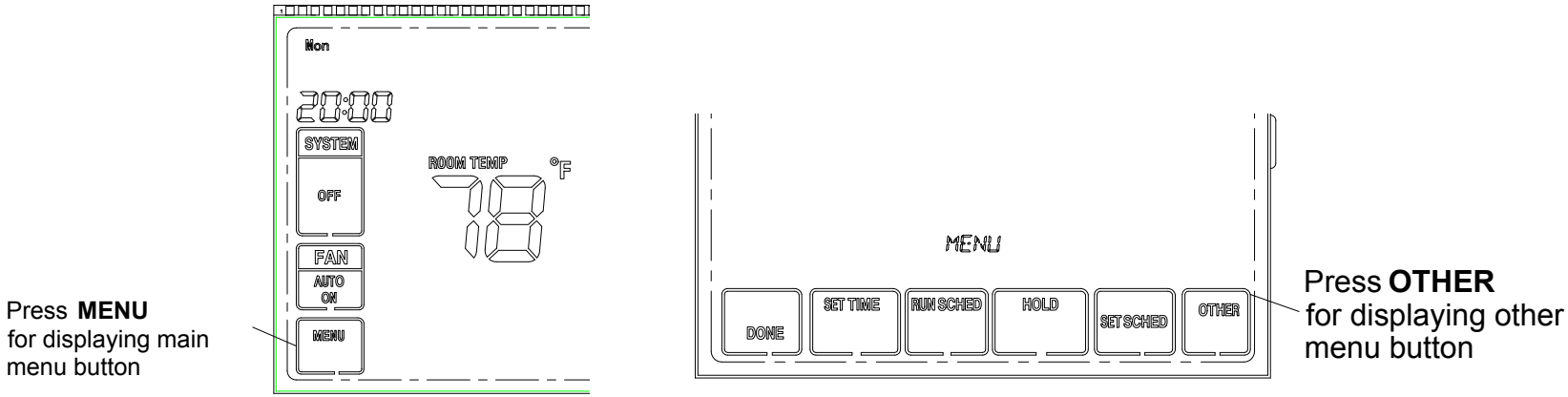
CONFIGURATION MENU

The configuration menu allows you to set certain thermostat operating characteristics to your system or personal requirements.

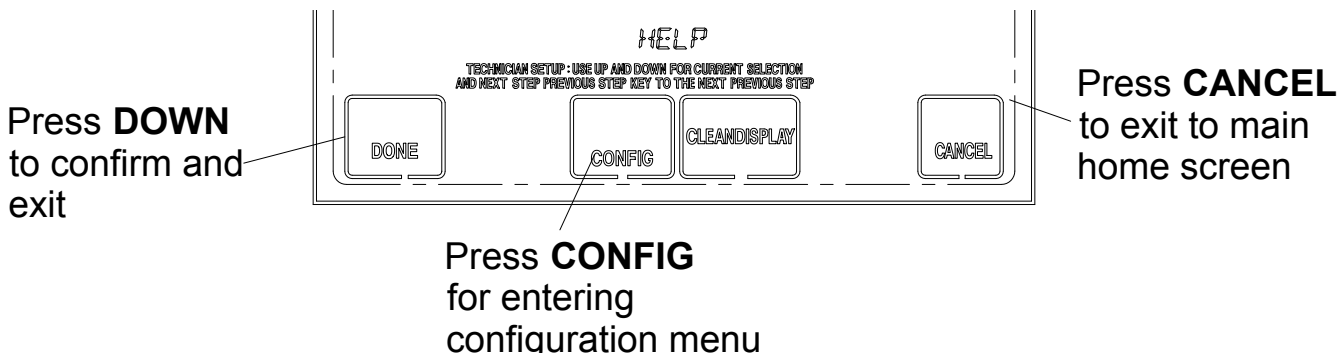
To enter the configuration menu, switch off the thermostat

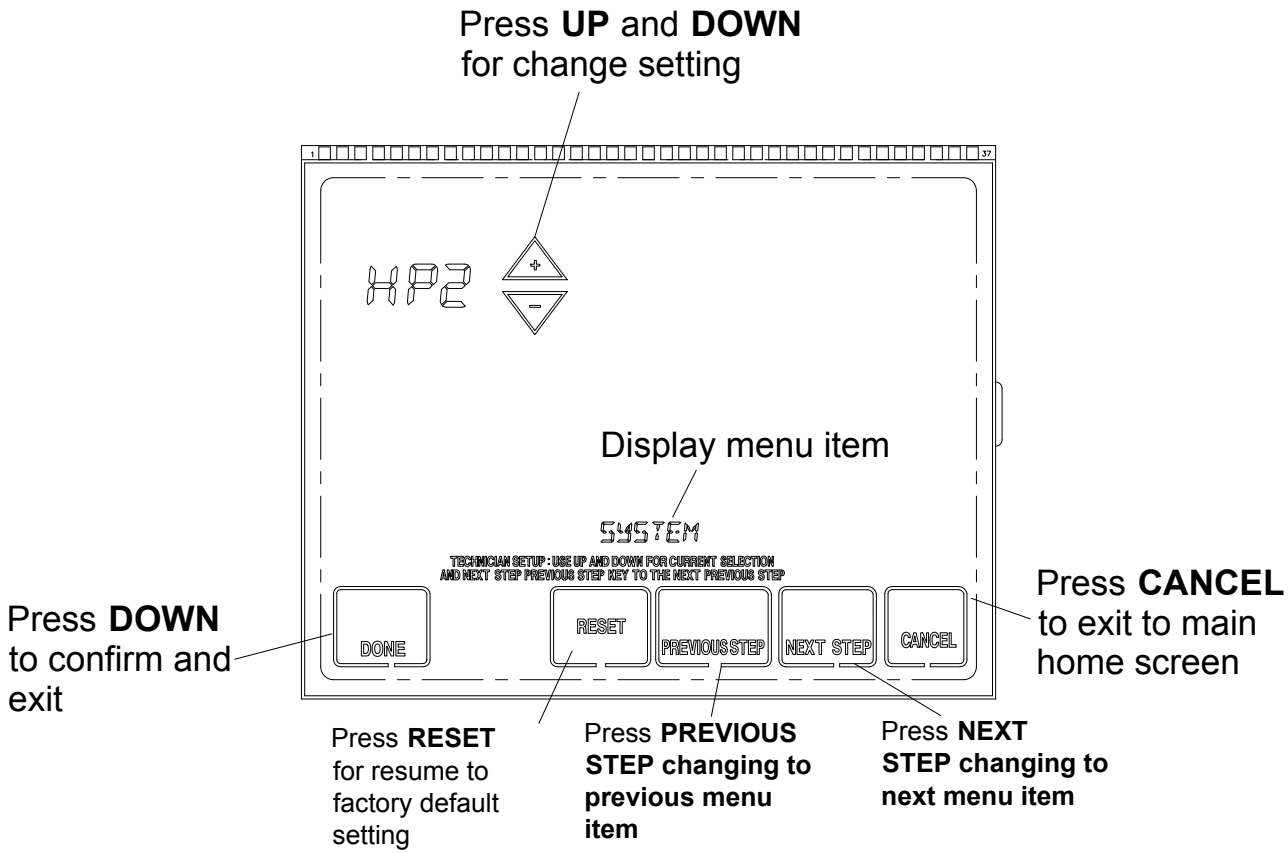


1) Press **MENU** for displaying main menu button, Press **OTHER** for display other menu button



2) Press CONFIG for entering configuration menu, change setting according to following figure. For resume factory default setting, press **RESET** and then confirm by pressing **DONE**.




Press **UP** and **DOWN** for change setting
HP2
Display menu item
SYSTEM
TECHNICIAN SETUP : USE UP AND DOWN FOR CURRENT SELECTION
AND NEXT STEP PREVIOUS STEP KEY TO THE NEXT PREVIOUS STEP
DONE
RESET
PREVIOUS STEP
NEXT STEP
CANCEL
Press **DOWN** to confirm and exit
Press **CANCEL** to exit to main home screen
Press **RESET** for resume to factory default setting
Press **PREVIOUS STEP changing to previous menu item**
Press **NEXT STEP changing to next menu item**

1 H	2H	HP1	HP2	Press	Display factory default	Press Up and DOWN To select	Comments
			1	NEXT STEP	SYSTEM (2H)	1H,2H,HP1,HP2	Select control system
			2	NEXT STEP	BLowER (HA)	HA,HE	HA: Gas heating, Furnance controls blower HE: Electric heating. Thermostat controls blower
NA	NA		3	NEXT STEP	AxMOdE	HA,HE	HA: Fossil fuel backup heat HE: Electric backup heat
			4	NEXT STEP	CHANGE (0)	0,1	0: Manual changeover 1: Auto changeover
			5	NEXT STEP	DbaNd(3)	2,3,4,5,6,7,8,9	Auto changeover dead band
			6	NEXT STEP	RECVRY (OFF)	OFF/ON	Intelligent Recovery operation
			7	NEXT STEP	HCYCLE (FA)	FA, SL	First heating cycle rate

			8	NEXT STEP	CCYCLE (FA)	FA, SL	First cooling cycle rate
NA	NA		9	NEXT STEP	EMER (FA)	FA, SL	Emergency heating rate
			10	NEXT STEP	DELAy (5)	0,5	Select compressor lockout delay
			11	NEXT STEP	LIGHT (2)	1,2, 3	Select backlight display
			12	NEXT STEP	CALIbR (0)	+4 TO -4	Select Temperature Calibration
			13	NEXT STEP	F OR C (F)	F or C	Select ºF or ºC Readout
			14	NEXT STEP	PRGM (7)	0,7	7: 7-day program 0: non-program
NA			15	NEXT STEP	H2SP (FA)	FA, SL	Select second stage heating rate
NA		NA	16	NEXT STEP	C2SP (FA)	FA,SL	Select second stage cooling rate

			17	NEXT STEP	FILTER (00)	00 – 12	Select filter replacement run time
			18	NEXT STEP	UVLAMP (UF)	UO or UF	Select UV lamp replacement run time
			19	NEXT STEP	CLOCK (24)	24,12	Selection of time scale
			20	NEXT STEP	SENSOR (0)	0,1,2,3	Remote sensor option
NA	NA		21	NEXT STEP	HPLOCK (0)	0,15,20,25,30,35,40℉	Heat pump compressor lockout option
NA	NA		22	NEXT STEP	AxLOCK (0)	0,40,45,50,55,60℉	Heat pump auxiliary lockout option
			23	NEXT STEP	VOICE (yES)	YES,No	Select audible beeper On/off
			24	NEXT STEP	LOCK (unL)	PAL,unL,FUL	Select keypad lockout option
			25	NEXT STEP	o/b(o)	o,b	Select Changeover valve output

1.System type option

1H: 1 heat/1 cool conventional

2H: 2 heat/2 cool conventional

HP1: 1 compressor heat pump

HP2: 2 compressors or 2 speed compressor heat pump

2.Fan control option

HA: Gas heating. Furnace controls blower

HE: Electric heating. Thermostat controls blower

3. Auxiliary heat type option

This option apply only to HP1 or HP2 setting in system type option

HA: Fossil fuel backup heat

HE: Electric backup heat

4. Manual/Auto changeover option

0: Manual changeover

1: Auto changeover

5. Auto changeover dead ban option

Option: 2~9℉, factory default setting is 3℉, which means cooling set temperature must be 3℉ higher above heating set temperature if Manual/Auto changeover option is selected at **1** and **SYSTEM** button is set at **AUTO**.

6. Intelligent Recovery operation

The thermostat has an intelligent recovery function that brings your room temperature to the set temperature at exactly the pre-set time by turning on the heating earlier. Select ON to activate the intelligent recovery function,

Select OF to deactivate the intelligent recovery function. Intelligent recovery function doesn't activate when program setting to non-programmable.

7.First heating cycle rate

FA: Fast rate, heating will activate 0.6℉ below set point

SL: Slow rate, heating will activate 1.2℉ below set point

8.First cooling cycle rate

FA: Fast rate, cooling will activate 1.2℉above set point

SL: Slow rate, cooling will activate 1.7℉ above set point

9. Emergency heat cycle rate

This option apply only to HP1or HP2 setting in heating type option

FA: Fast rate, Emergency will activate 1.2 ℉ below set point

SL: Slow rate, Emergency heat will activate 1.7℉ below set point

10.Select compressor lockout delay

To protect the compressor from short cycling, you can select compressor off-time cycle between 0 or 5 minutes. When the thermostat compressor time delay occurs, "**Comp Dly**" display during compressor lockout.

11.Select display backlight

The display backlight improves display contrast in low lighting conditions.

Select 1 for NO backlight display. **Select 2** for the backlight to come on for approximately 30 seconds when any button of the thermostat is touched. **Select 3** for the backlight to remain on continuously.

NOTE: When operated from batteries (No "C" terminal connection, or if AC power goes off), the LCD continuously display of backlight will be disabled.)

12. Select temperature recalibration

This feature allows you to adjust the displayed room temperature up to 4º higher or lower. Your thermostat can be accurately calibrated to match your previous thermostat. The current or adjusted room temperature will be displayed on the display.

13. Select ºF or ºC readout

Changes the display readout to Centigrade or Fahrenheit as required.

14. Program options

7: Select 7-day program function for the thermostat

0: Select non-program function for the thermostat

15. Select second stage heating rate

This option apply only to HP1, HP2, 2H setting in system type option

FA: Fast second stage heating rate. Second stage heating will activate 1.5℉ below first stage heating

SL: Slow second stage heating rate. Second stage heating will activate 2.5℉ below first stage heating

16.Select second stage cooling rate

This option apply only to HP2, 2H setting in system type option

FA: Fast second stage cooling rate. Second stage cooling will activate 1.5℉ above first stage cooling

SL: Slow second stage cooling rate. Second stage heating will activate 2.5℉ above first stage cooling

17. Select filter replacement run time

The thermostat will display the **"Chg Filter"** after a set time of operation. This is a reminder to change or clean your air filter. This time can be set from 0 to 12 months in 1 month increments. Selection of **00** WILL CANCEL THIS FEATURE. You can check the count back time and clear it by following step

1.Press **MENU** button for displaying main button

2.Press **OTHER** button for displaying other button

3.Press **INFO** to inquiry for the count back change filter time

4.When **"Chg Filter"** is displayed, **RESET** button will be shown when inquiry for count back time. Press **RESET** and then press **DOWN** to reset the timer. This resets the timer and starts counting the hours until the next filter change.

18. Select UV lamp replacement run time

This is the reminder to change UV lamp. Select UF means you have canceled the feature. Select UO starts to counting for 0 day to 400 day. The thermostat will display "**Chg UV**" when UV time (400 days) has expired. You can check the duration run time and clear it by following step

1.Press **MENU** button for displaying main button

2.Press **OTHER** button for displaying other button

3.Press **INFO** to inquiry for the UV duration time. If displays shows the counter back time of filter change replacement. Press **INFO** again, UV duration time will appear.

4.When **"Chg UV"** is displayed, **RESET** button will be shown when inquiry for UV lamp duration time. Press **RESET** and then press **DOWN** to reset the timer. This resets the timer and starts counting the duration days

19. Selection of time scale

Select 12 for 12 hours display for time clock and select 24 for 24 hours display for time clock

20. Remote sensor option

0: No remote sensor

1: Outdoor sensor (display only). Assuming 1 is selected, if an optional outdoor sensor is installed, INFO will display

in Home screen. Press INFO for inquiry for the outside temperature.

2: Outdoor control sensor (See Menu item 21 Heat pump temperature lockout)

3: Indoor sensor. If 3 is selected and the thermostat is installed with an indoor remote sensor, display will show the read temperature from the indoor sensor.

21. Heat pump compressor lockout temperature

This option apply only to HP1 HP2 setting in system type option and only works when remote sensor option (menu item 20) is set 2.

0: No heat pump compressor lockout

15,20,25,30,35,40℉: heat pump compressor lockout temperature

With fossil-fuel backup (See menu item 3. Auxiliary heat type option). If the thermostat is installed with an optional outdoor sensor, you can select the compressor lockout temperature. When the outdoor temperature is below the compressor lockout temperature, only the auxiliary heat operates. When the outdoor temperature is above the compressor lockout temperature, only the compressor operates.

With electric heat back up (See menu item 3. Auxiliary heat type option). If the thermostat is installed with an optional outdoor sensor, you can select the compressor lockout temperature and /or an auxiliary heat lockout temperature. (See menu item 22) When the outdoor temperature is below the compressor lockout temperature, only the auxiliary heat operates. When the outdoor temperature is above the auxiliary lockout temperature, only the compressor operates. If the outdoor temperature is between the compressor and auxiliary lockout temperatures, both the compressor and auxiliary heat can operate.

22. Heat pump auxiliary heating temperature lockout option

This option apply only to HP1 HP2 setting in system type option and only works when remote sensor option (menu

item 20) is set 2.

0: No auxiliary heating temperature lockout

40,45,50,55,60℉: heat pump auxiliary heating temperature lockout. (See menu item 22 explains how it work)

23. Select audible beeper On/off

Select YES, thermostat will beep when any button touched

Select NO, thermostat will turn off the voice

24. Select keypad lockout on or off

UnL-unlock. All keys are available. Screen is unlocked

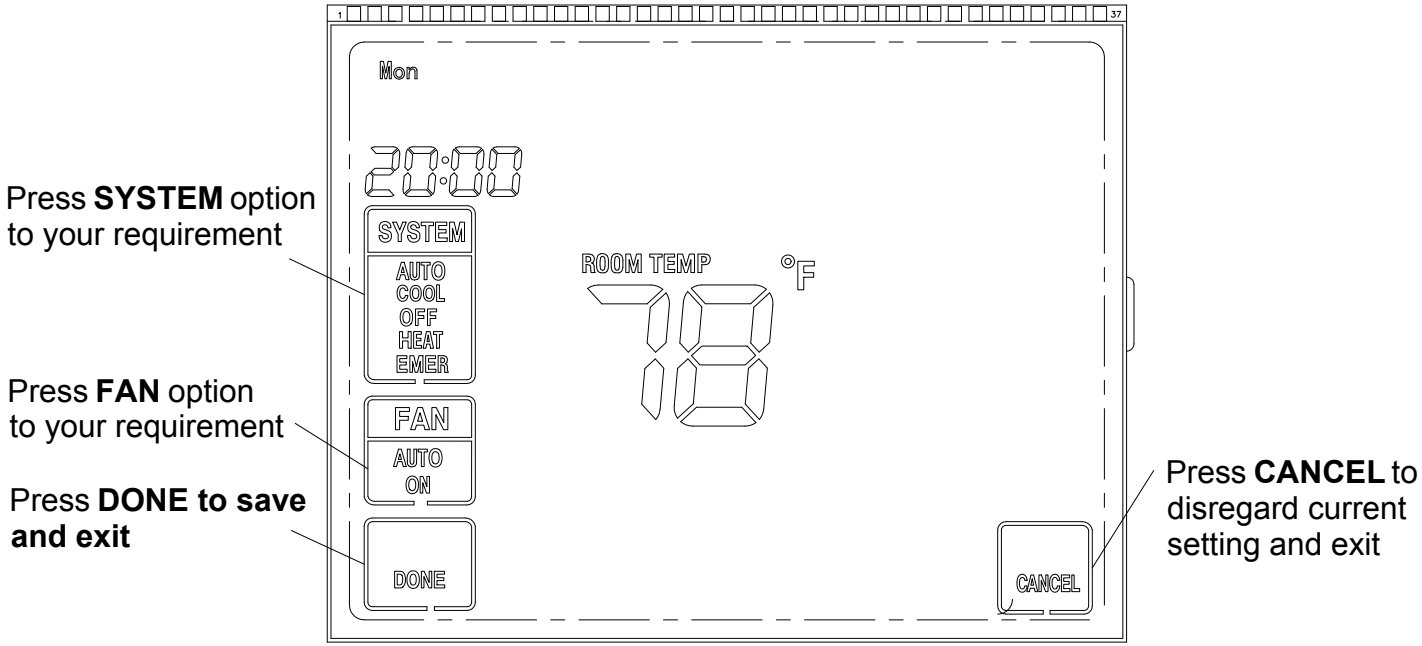
PAL-partially locked. All key functions are locked except **SYSTEM** key; temperature **UP** and **DOWN** keys and the **CANCEL** key. Enter Configuration setup to unlock the screen

FUL-fully locked. Screen is fully locked except SYSTEM key. Enter Configuration setup to unlock the screen

25. O: Said in heating mode, **O/B** relay will be output, Heating is effective.

B: Said in Cooling mode**, O/B** relay will be output, Cooling is effective.

OPERATING YOUR THERMOSTAT



Choose the Fan Setting (Auto or On)

Fan **Auto** is the most commonly selected setting and runs the fan only when the heating or cooling system is on.

Fan **On** selection runs the fan continuously for increased air circulation or to allow additional air cleaning

Choose the System Setting (Cool, Off, Heat, Emer, Auto)

Press the **SYSTEM** button to select:

Heat: Thermostat controls only the heating system

Cool: Thermostat controls only the cooling system

Auto: Auto Changeover is used in areas where both heating and cooling may be required on the same day. When **SYSTEM** button set to **AUTO**, the thermostat automatically select heating or cooling depending on the indoor temperature if **AUTO** changeover option is set to 1. (See configuration menu item 4). Heat and cool settings must be over the dead ban value which is set at Auto changeover dead ban (configuration menu item 5). If heat and cool setting is lower than the dead ban, thermostat will auto change to heat or cool according to the current set temperature and the dead ban setting.

Emer: Emergency heat is available only when the thermostat is configured in HP1 or HP2 mode.

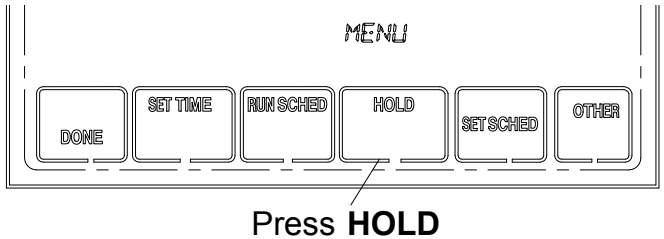
Manual Operation for Non-programmable Thermostats

Press the **SYSTEM** button to select Heat or Cool and Use the △or▽ buttons to adjust the temperature to your desired setting. After selecting your desired settings you can also press the **SYSTEM** button to select **AUTO** to allow the thermostat to automatically change between Heat and Cool if **AUTO** changeover option is set to 1. (See configuration menu item 4)

Manual Operation for programmable thermostats

This operation applies only when Program option (See configuration menu item 14) is set to programmable.

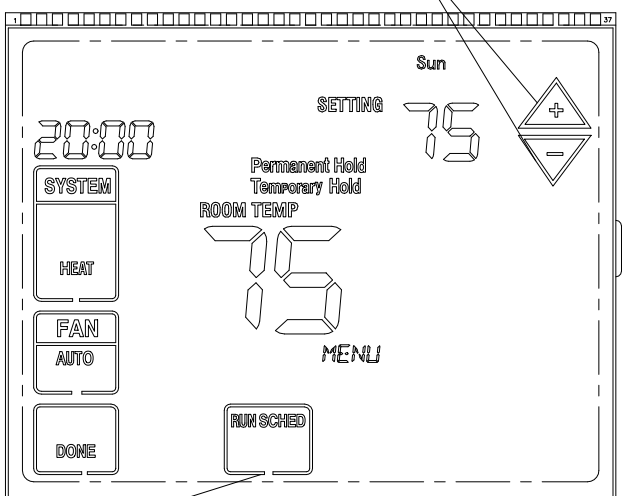
Permanent Hold Override



Press **HOLD**

Press **HOLD** to permanently adjust the temperature. This will turn off the program schedule.

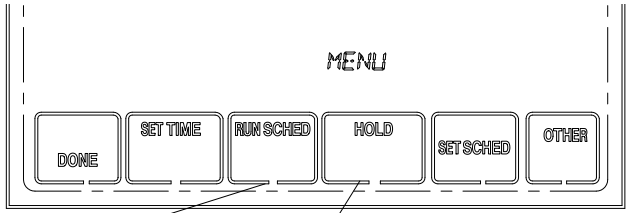
Adjust temperature



Press **RUN SCHED** to resume program schedule

Whatever temperature you set will be maintained 24 hours a day, until you manually change it, or press **RUN SCHED** to cancel “Hold’ and resume the program schedule.

Vacation Hold Override



Press **RUN SCHED** to resume program schedule

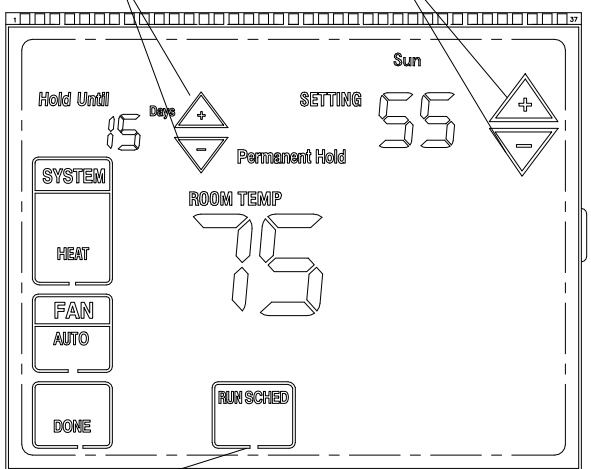
Press **HOLD** for 5 seconds

This feature can suspend the program schedule for extended period of days.

Press **HOLD** for 5 seconds.

Press to select number of days

Adjust temperature



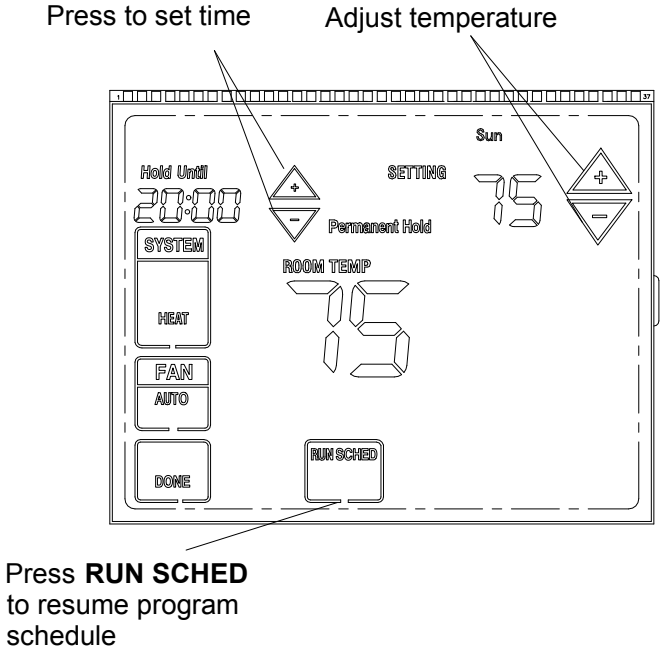
Press △ or ▽ to set the temperature you want, then press △or ▽ to set time of day you want to schedule to resume when you return.

Whatever temperature you set will be maintained 24 hours a day for the number of days you select. After these numbers of days have elapsed, the previously programmed schedule will resume at the time you set.If you return earlier than expected, press

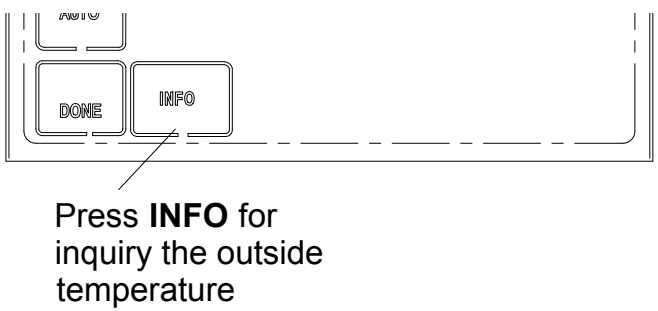
RUN SCHED to resume the program schedule.

Press **RUN SCHED** to resume program schedule

Temporary Hold Override



Inquiry for outside temperature



Inquiry for outside temperature

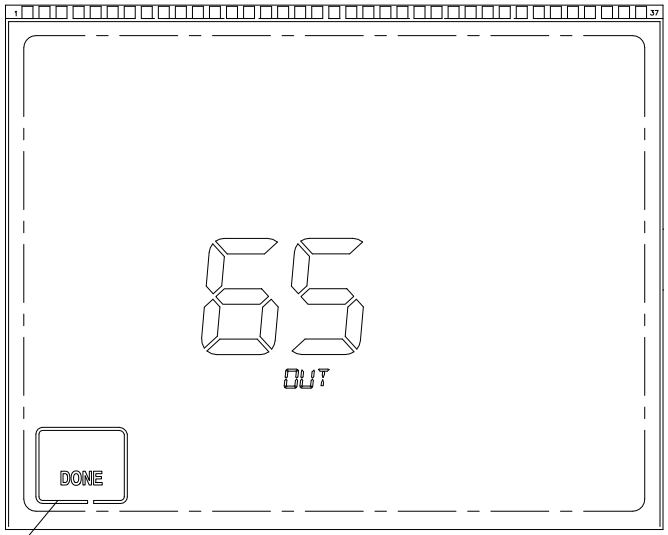
Press △or▽ to immediately adjust the temperature. This will temporarily override the temperature setting for the current time period.

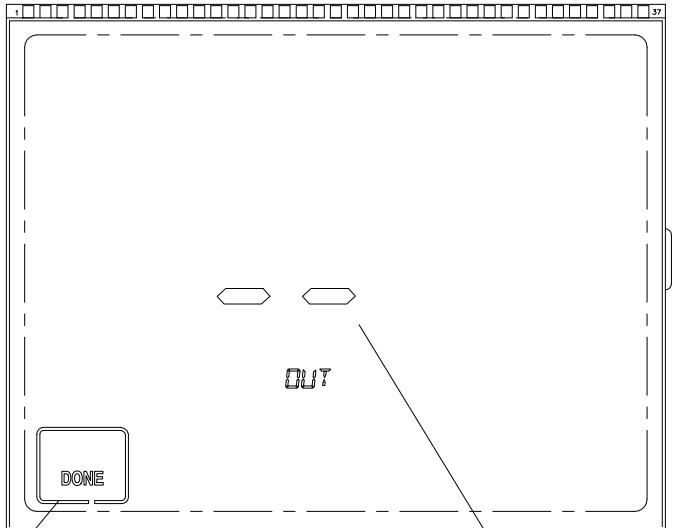
The new temperature will be maintained until the time you set. When the timer expires, the program schedule will resume and set

the temperature to the level you've programmed for the current time period.

To cancel the temporary setting at any time, press **RUN SCHED**. The program schedule will resume.

When remote sensor option is set to **1** or **2, INFO** will display in home screen. Press **INFO** for inquiring outside temperature. Thermostat will display outside temperature.





Press **DONE** to resume indoor temperatur display

Press **DONE** to resume indoor temperatur display

Shows when there outside sensor is either not installed or damaged

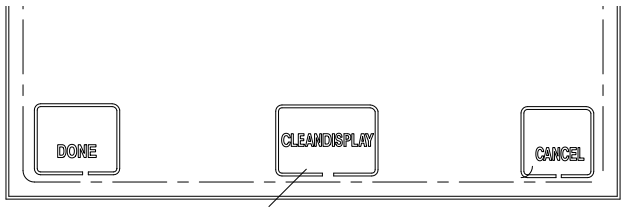
Inquiry for filter count back time

This operation is only available when filter replacement time is set. Configuration menu item 17 explains the way for inquiry for the count back time.

Inquiry for UV lamp duration time

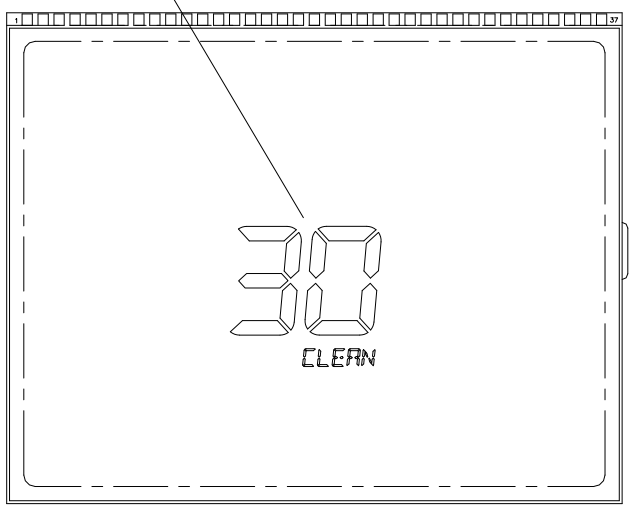
This operation is only available when UV lamp duration time is set. Configuration menu item 18 explains the way for inquiry for the UV lamp duration time.

Screen cleaning



Press **CLEAN DISPLAY**

Screen lock timer
(count back 30 seconds)



Press **CLEAN DISPLAY** to lock the screen for cleaning. The screen will remain locked for 30 seconds so you can clean the screen without changing any setting.

After 30 seconds, press **DONE** to resume normal operation, or press **CLEAN DISPLAY** again if you require more time for cleaning.

Note: Do not spray any liquid directly on the thermostat. Spray liquids onto a cloth, then use the damp cloth to clean the screen. Use water or household glass cleaner. Avoid abrasive cleansers

Screen lock

To prevent tampering, the screen can be partially or fully locked. Configuration menu item 24 explain the way to partially or fully locked the screen

Special feature

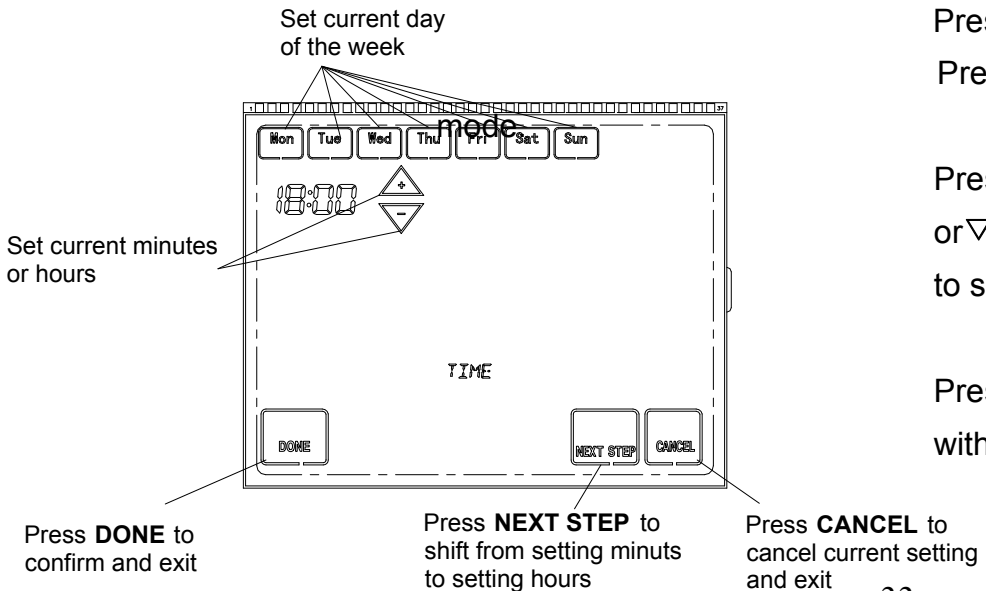
Intelligent Recovery: See configuration menu item 6- Intelligent Recovery operation.

Compressor protection: See configuration menu item 10- Select compressor lockout delay

Heat Pump Temperature Lockout: See configuration menu item 21-Heat pump compressor lockout temperature

PROGRAMMING

Set Current Time clock and Day of the week



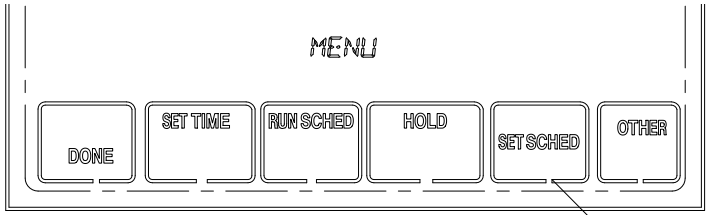
Press **MENU** for displaying main menu button.

Press **SET TIME** button to enter to the clock-setting

Press the day to set current day of the week. Press △ or▽ to adjust the minutes or hours. Press **NEXT STEP** to shift between setting minutes and setting hours.

Press **DONE** to save & exit (or press **CANCEL** to exit without changing the time).

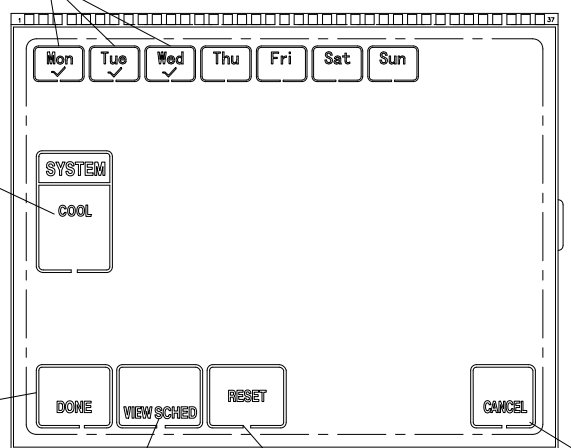
Adjust program schedules



Press **SET SCHED** to set program

Press **MENU** button to display main menu button. Press **SET SCHED** to enter set program mode.

Select day(s) to set program schedule



Select of HEAT or COOL for program set

Press **DONE** to confirm and exit

Press **VIEW SCHED** to view preset program

Press **RESET** to resume factory difault program setting

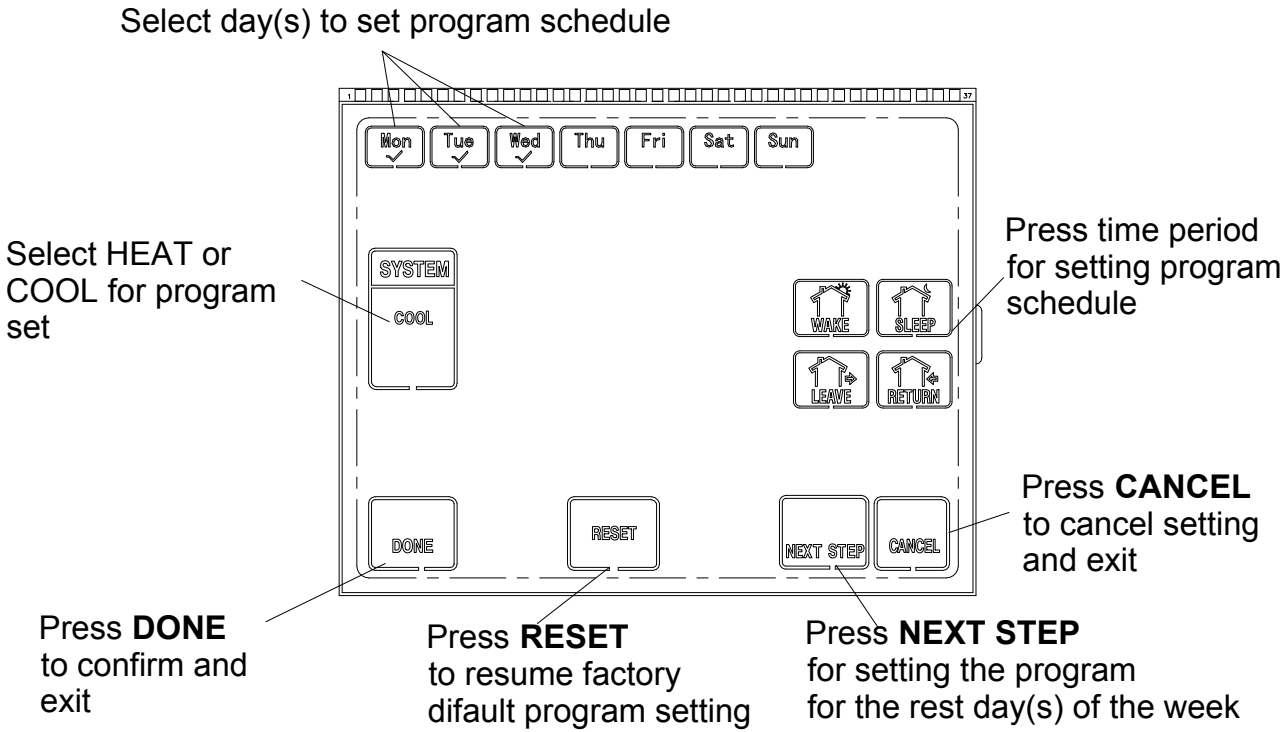
Press **CANCEL** to cancel setting and exit

Select days to set program schedule. It can be a single day the week or a group of days of the week

Select **HEAT** or **COOL** for program setting by pressing system button.

To view preset schedule, press **VIEW SCHED** button.

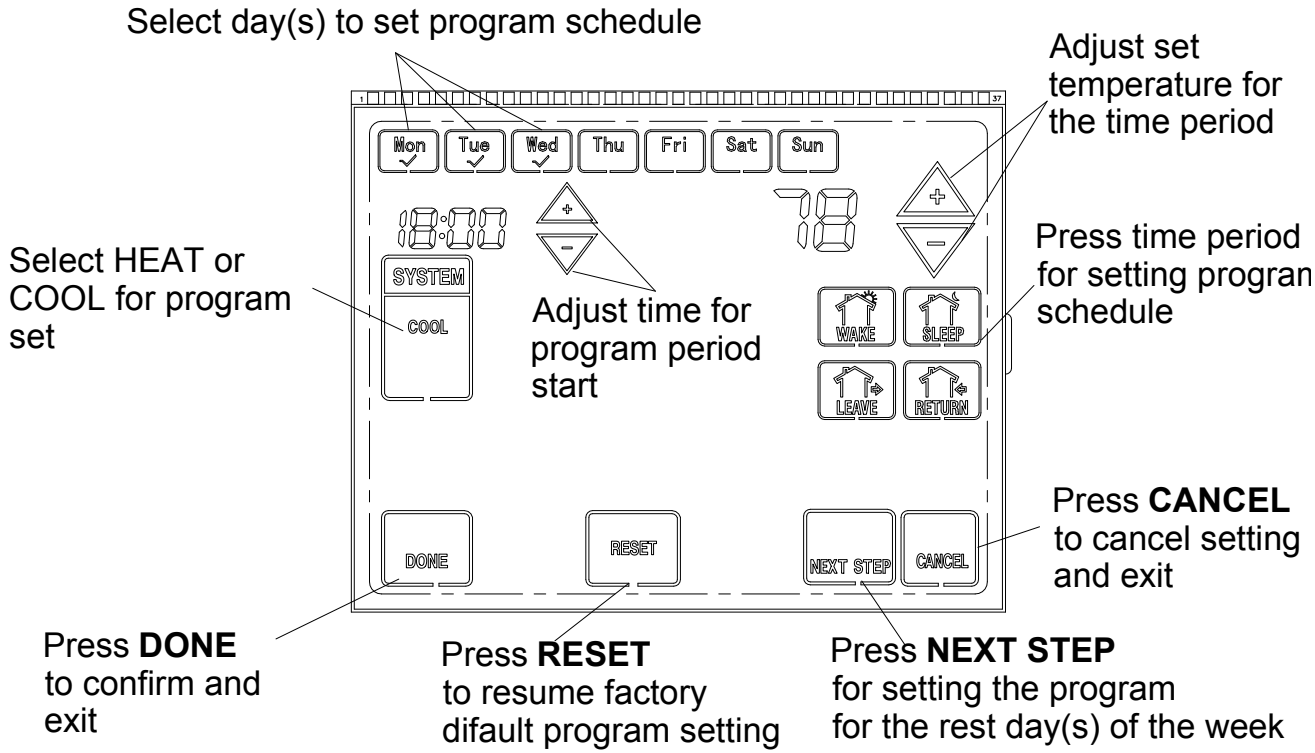
Select 4 different time period for setting program schedule.**WAKE, LEAVE, RETURN, SLEEP.** When viewing the program, you can view the preset program schedule by selecting the day and the time period.



Adjust time and set temperature for selected time period by pressing △or▽

Press **DONE** to save and exit (or press **CANCEL** to exit without saving changes)

Press **RESET** and confirm by **DONE** to resume to factory default program schedule setting.



Factory Default Pre-program

The thermostat is programmed with the energy saving settings shown in the table below for all days of the week. If this program suits your needs, simply set the thermostat clock and press the RUN button. The table below shows the factory set heating and cooling schedule for all days of the week

	Wake Up (Morning)		Leave For Work (Day)		Return Home (Evening)		Go To Bed (Night)	
Heating Program	6:00	70℉	8:00	62℉	17:00	70℉	22:00	62℉
Cooling Program	6:00	75℉	8:00	82℉	17:00	75℉	22:00	78℉

Planning Your Program

The Heating and Cooling Program schedules below allow you to pencil in your own program times and temperatures. Keep the following guidelines in mind when planning your program

- In Heating, lower temperatures will save energy
- In Cooling, higher temperatures will save energy
- If you plan on using Auto Changeover, set the heating temperature below the cooling set temperature for more than the value of pre-set dead ban (See configuration menu item 5).

Worksheet for Re-programming 7 day program

Heating Program	Wake Up (Morning)		Leave For Work (Day)		Return Home (Evening)		Go To Bed (Night)	
Mon	6:00	70℉	8:00	62℉	17:00	70℉	22:00	62℉
Tue								
Wed								
Thu								
Fri								
Sat	6:00	70℉	8:00	62℉	17:00	70℉	22:00	62℉
Sun	6:00	70℉	8:00	62℉	17:00	70℉	22:00	62℉

CUSTOMER ASSISTANCE

After reading this guide, if you have any question about the operation of your thermostat,please contact your installer or Energy Utility company or service provider.

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FCC Radiation Exposure Statement:

The transmitter must not be co-located or operated in conjunction with any other antenna or transmitter. This equipment complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.

FCC Warning

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.

NOTE : Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.