

Operating Manual

Digital Touchpad Thermostat





LCD Programmable Operation

Feature List

- Operates on 2-stage Heat and 2-stage Cool
- 7 programs (Mo, Tu, We, Th, Fr, Sa, Su) or 5-2 programs (Mo-Fr, Sa-Su)
- 4 Separate Time and Temperature Settings for each mode
- Heat and Cool set points for each program
- EPROM stores Heat and Cool program settings
- Temporary Program Override
- Permanent Program Override
- Compressor Short Cycle Protection
- LCD Backlighting
- Low Temperature Protection
- Lockout Safety feature

Operating Specifications

- Temperature Measurement: 0°C ~ 40°C/32°F ~ 99°F
- Accuracy: ±0.5°C/1°F
- Voltage: 18-30VAC
- Temperature Controllable Range: 5°C~35°C/55°F ~ 95°F
- Resolution: 0.5°C/1°F
- Operating Temperature: 0 – 50°C/32 – 122°F
- Storage Temperature: 5 – 50°C/41 – 122°F

User Interface

Button	Press	Hold
▲	UP/Override mode	UP/Permanent Override mode
▼	DOWN/Override mode	DOWN/Permanent Override mode
ON/OFF	ON/OFF	-----
MODE	Set operation mode	Internal Setting
FAN	Set fan speed/Confirm	-----

The temperature reading that is on constant display is the ambient room temperature.

The Cool limit setting is 55°F to 95°F.

The Heat limit setting is 51°F to 91°F.

Operation

Normal Mode:

1. Press ON/OFF to turn on thermostat.
2. Press MODE to change the system mode.
3. There are three operation modes:
Cool mode, Heat mode, Auto mode.

Cool Mode

1. To activate Cool mode, press the MODE button until COOL displays.
2. Press UP/DOWN arrow buttons to your desired temperature.
3. Compressor will cycle when temperature reaches the set point. After compressor stops, allow at least 3 minutes before restarting (this applies only if you have manually turned the unit off or reset the thermostat – during normal running conditions, the unit will automatically allow for the required restart delay).

Heat Mode

1. To activate Heat mode, press the MODE button until HEAT displays.
2. Press UP/DOWN arrow buttons to your desired temperature.
3. The unit will cycle until the set temperature is achieved and then will continuously cycle to maintain the set temperature.

Auto Mode

1. To activate Auto mode, press the MODE button until AUTO displays.
2. Press UP/DOWN arrow buttons to set desired Heat temperature.
3. Wait 5 seconds for COOL to appear.
4. Press UP/DOWN arrow buttons to set desired Cool temperature.
5. The unit will automatically cycle between Heat and Cool modes if unit exceeds desired set points. The temperature reading that is on constant display is the ambient room temperature.

Set Day and Time

Enter internal setting mode by pressing and holding MODE button for 5 seconds.

Time Setting

Set Clock/Day is flashing

1. Press MODE button to select Edit Clock/Day.
2. Use UP/DOWN buttons to adjust hours (12 hr).
3. Press MODE to select minutes.
4. Use UP/DOWN buttons to adjust minutes.
5. Press MODE to select days.
6. Use UP/DOWN buttons to adjust days. Press FAN when complete.

Programming Your Thermostat

Enter internal setting mode by pressing and holding MODE button for 5 seconds.

Press ON/OFF to select Schedule (Schedule is flashing)

1. Press MODE button to select EDIT SET SCHEDULE.
2. Use UP/DOWN to select DAY.
3. Press MODE to edit.
4. Use UP/DOWN to select Time (adjustable in 10 minute increments).
5. Press MODE to edit Heat setting.
6. Use UP/DOWN to select temperature.
7. Press MODE to edit Cool setting.
8. Use UP/DOWN to select temperature.
9. Press MODE to set next time frame.
10. Follow the screen, and repeat steps 2 through 9 to adjust 7-day schedule programming.
11. Press FAN when complete.
12. If no button is pressed for 15 seconds, it will return to normal mode automatically.

Below is the default program.

The default selection is 5-2 day program.

Days	Event	Time	Heat	Cool
MON-FRI	WAKE	6:00 AM	70° F (21° C)	78° F (26° C)
	LEAVE	8:00 AM	62° F (17° C)	85° F (29.5° C)
	RETURN	6:00 PM	70° F (21° C)	78° F (26° C)
	SLEEP	10:00 PM	62° F (17° C)	82° F (28° C)
SAT-SUN	WAKE	6:00 AM	70° F (21° C)	78° F (26° C)
	LEAVE	8:00 AM	62° F (17° C)	85° F (29.5° C)
	RETURN	6:00 PM	70° F (21° C)	78° F (26° C)
	SLEEP	10:00 PM	62° F (17° C)	82° F (28° C)

Changing Program Schedule and Temperature Limits

Enter internal setting mode by pressing and holding MODE button for 5 seconds.

Press ON/OFF twice to select Settings (Settings is flashing)

1. Press MODE button to select Edit "Settings."
2. Use UP/DOWN to select 7 Day or 5-2 Day.
3. Press MODE to edit Heat temperature limit.
4. Use UP/DOWN to set temperature. Default internal setting: Heat limit 90°F
5. Press MODE to edit Cool temperature limit.
6. Use UP/DOWN to set temperature. Default internal setting: Cool limit 60°F
7. Press FAN when complete. The Cool limit setting should be at least 4°F higher than the Heat limit setting.
8. If no button is pressed for 15 seconds, it will return to normal mode automatically.

Temporary Program Override

1. When thermostat is ON, the program set point can be temporarily overrode by pressing UP or DOWN. OVERRIDE icon will turn on. Press UP or DOWN to select the set point.
2. In Heat mode, Heat set point can be adjusted.
3. In Cool mode, Cool set point can be adjusted.
4. In Auto mode, Heat set point will be set first and press UP or DOWN to set the Heat set point. Press FAN to confirm the Heat set point. Cool set point will be set second and press UP or DOWN to set the Cool set point. Press FAN to confirm the Cool set point.
5. Temporary Override will be canceled if user changes the operation mode or the unit enters the next program time session.

Permanent Override

1. Hold UP and DOWN button for 2 seconds to enter Permanent Override mode. Permanent Override icon will turn on.
2. In Heat mode, Heat set point can be adjusted.
3. In Cool mode, Cool set point can be adjusted.
4. In Auto mode, Heat set point will be set first and press UP or DOWN to set the Heat set point. Press FAN to confirm the Heat set point. Cool set point will be set second and press UP or DOWN to set the Cool set point.
5. Permanent Override will be canceled if user changes the operation mode or turns off the unit.
6. Hold FAN button 5 seconds to cancel the Permanent Override mode.

PLEASE NOTE: Other thermostats are available including:

Habitat Wireless
Thermostat



Digital Touchscreen
Thermostat



System compatible with other 3rd party thermostats not shown here.

For more information go to: www.ice-air.com/thermostats



80 Hartford Avenue, Mount Vernon, NY 10553
Tel: 877-ICE-AIR-1 (877-423-2471)
Fax: 914-668-5643
email: service@ice-air.com

www.ice-air.com

© 2022 by Ice Air, LLC

ICE6153 11/22