User Guide

Digital Touchpad Thermostat

ICE AIR
World Class Comfort ®

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 program
- Heat and Cool set-points for each program
- EEPROM stores heat and cool program settings
- Temporary Program Override
- Permanent Program Override
- Compressor Short Cycle Protection
- LCD Backlighting
- Low Temperature Protection

USER INTERFACE

Push Buttons

SYMBOL	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	--------

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 for ELA 8842, Cool Mode, Heat Mode, Auto Mode

COOL MODE
- To activate cooling mode, press the mode button until COOL displays
- Press up/down arrow keys to your desired temperature
- 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)

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

HEAT MODE
- To activate heating mode, press the Mode button until HEAT displays
- Press up/down arrow keys to your desired temperature.
- The unit will cycle until the set temperature is achieved and then will continuously cycle to maintain the set temperature.

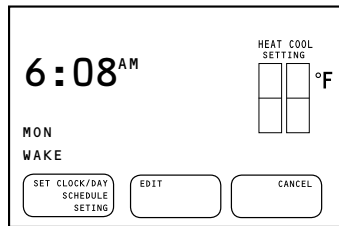The temperature reading that is on constant display is the ambient room temperature.

AUTO MODE
- To activate auto mode, press the mode button until AUTO displays
- Press up/down arrow keys to set desired heat temperature
- Wait 5 seconds for cool to appear
- Press up/down arrow keys to set desired cool temperature
- 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.

ENTER PROGRAMMING MODE
- Enter internal setting mode by pressing and holding [Mode] key for 5 seconds

Steps to enter programming mode must be performed each time to get into internal settings

TIME SETTING
Set Clock/Day is flashing
1. Press [Mode] key to select Edit ¨Clock/Day¨
2. Use [Up] and [Down] keys to adjust hours (12 hr)
3. Press [Mode] to select minutes
4. Use [Up] and [Down] keys to adjust minutes
5. Press [Mode] to select days
6. Use [Up] and [Down] keys to adjust days Press [Fan] when complete

DAILY PROGRAMMING
Press [On/Off] to select Schedule (Schedule is flashing)
1. Press [Mode] key to select Edit ¨Set Schedule¨
2. Use [Up] and [Down] to select Day
3. Press [Mode] to edit time
4. Use [Up] and [Down] to select Time (Adjustable in 10 minute increments)
5. Press [Mode] to edit heat setting
6. Use [Up] and [Down] to select temp
7. Press [Mode] to edit cool setting
8. Use [Up] and [Down] to select temp
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

Below is the default program:

	EVENT	TIME	HEAT	COOL
MON-FRI	WAKE	6:00 AM	70º F (21º C)	78º F (26º C)
	LEAVE	8:00 AM	62º F (17º C)	85º F (29.5º C)
	RETURN	6:00 PM	70º F (21º C)	78º F (26º C)
	SLEEP	10:00 PM	62º F (17º C)	82º F (28º C)
SAT-SUN	WAKE	6:00 AM	70º F (21º C)	78º F (28º C)
	LEAVE	10:00 AM	62º F (17º C)	85º F (29.5º C)
	RETURN	6:00 PM	70º F (21º C)	78º F (26º C)
	SLEEP	11:00 PM	62º F (17º C)	82º F (28º C)

The default selection is 7-day program

CHANGING PROGRAM SCHEDULE AND TEMPERATURE LIMITS
Press [On/Off] twice to select Settings (Settings is flashing)
1. Press [Mode] key to select Edit ¨Settings¨
2. Use [Up] and [Down] to select 7 Day or 5-2 Day
3. Press [Mode] to edit Heat Temperature Limit
4. Use [Up] and [Down] to set temperature Default internal setting: Heat limit 90°F
5. Press [Mode] to edit Cool Temperature Limit
6. Use [Up] and [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.
- The cool limit setting is 55°F to 95°F
- The heat limit setting is 51°F to 91°F

EXIT INTERNAL SETTING AND RETURN TO NORMAL MODE
1. Press [Fan] to confirm and return to normal mode
2. If no key 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 temporary 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 cancelled if user changes the operation mode or the unit enters the next program time session.

Override will show on display

PERMANENT OVERRIDE
1. Holding [UP] and [Down] key 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 cancelled if user changes the operation mode or turns off the unit.
6. Hold [Fan] key 5 seconds to cancel the permanent override mode

OPERATING SPECIFICATIONS
- Temperature measurement °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/ 23 – 122 °F