

## Digital LCD Thermostat

Ice Air's Digital LCD Thermostat offers an attractive, user friendly thermostat that is quick and easy to configure.

### Key Features:

- 7-Day programmable schedule with: Wake, Away, Home, and Sleep settings
- Configurable for various terminal units including: PTAC, SPAC, FCU, WSHP, and HWCAC.
- Temporary program override
- Permanent program override: operates as a non-programmable thermostat in this mode
- Compressor short cycle protection
- Anti-freeze protection (for hydronic applications)
- Alarm/fault protection

### Standard Functions:

- Modes: Heat, Cool, Auto, Fan Only
- Temperature adjustment
- Fan Speed Adjustments: High, Medium, Low, Auto
- Clock: 12-hour (AM/PM) or 24-hour
- Calendar: Month, Day, Year
- System: On / Off



Model No. **ELA-8842** (PTAC, SPAC, WSHP, HWCAC)  
**ELA-11599** (FCU only)

### Electrical Specifications

Power supply	AC24V/1A/50-60HZ
Control signal output	AC24V/0.5A

### Temperature Ranges

Measurement range	32°F - 99°F
Control range	60°F - 90°F
Operating range	32°F - 122°F

### Physical Data

Size	3.25"
Display type	LCD Liquid Crystal Display
Display dimensions	2" H x 2.5" W
Casing dimensions	4.5" H x 4.5" W
Adjustments	Push buttons

## Non-Programmable LED Digital Touch Pad Thermostat

Ice Air's Non-Programmable Touchpad Thermostat offers basic control functions with an easy to use touchpad interface.

### Key Features:

- *Timer setting:* provides delayed start (if the unit is off), or delayed stop (if the unit is on) between 1-to-24 hours.
- *Sleep setting:* when activated in cooling mode the temperature set point will increase by 2°F after the first hour and 2°F after the second hour and maintain the 4°F increase. Enabling sleep in heating mode will decrease the temperature set point by 2°F after the first hour and 2°F after the second hour and maintain the 4°F decrease.
- *RS485 communicating port* allows the BMS (building management system) to read the room temperature, the temperature set point, and unit operation (on/off) and to change (write) the temperature set point and remotely enable/disable operation.

### Standard Functions:

- Modes: Heat, Cool, Fan Only
- Fan Speed Adjustments: High, Medium, Low,
- Temperature Adjustment
- Power: On / Off
- Configurable for various terminal units including: PTAC, SPAC, FCU, WSHP, and HWCAC.



Model No. **ELA-10328**

### Electrical Specifications

Power supply	AC24V/1A/50-60HZ
Control signal output	AC24V/0.5A

### Temperature Ranges

Measurement range	32°F - 99°F
Control range	60°F - 90°F
Operating range	32°F - 122°F

### Physical Data

Display size	1-1/4" W
Display type	LED
Display dimensions	3/4" H x 1" W
Casing dimension	4.5" H x 4.5" W
Adjustments	Push buttons

## Non-Programmable LCD Digital Touch Pad Thermostat

Ice Air's Digital LCD Thermostat offers an attractive, user friendly thermostat that is quick and easy to configure.

### Key Features:

- *Timer setting:* provides delayed start (if the unit is off), or delayed stop (if the unit is on) between 1-to-24 hours.
- *Sleep setting:* when activated in cooling mode the temperature set point will in-crease by 2°F after the first hour and 2°F after the second hour and maintain the 4°F increase. Enabling sleep in heating mode will decrease the temperature set point by 2°F after the first hour and 2F af-ter the second hour and maintain the 4°F decrease.
- *RS485 communicating port* allows the BMS (building management system) to read the room temperature, the temperature set point, and unit operation (on/off) and to change (write) the temperature set point and remotely enable/disable operation.

### Standard Functions:

- Modes: Heat, Cool, Fan Only
- Fan Speed Adjustments: High, Medium, Low,
- Temperature Adjustment
- Power: On / Off
- Configurable for various terminal units including: PTAC, SPAC, FCU, WSHP, and HWCAC.



Model No. **ELA-12690**

### Electrical Specifications

Power supply	AC24V/1A/50-60HZ
Control signal output	AC24V/0.5A

### Temperature Ranges

Measurement range	32°F - 99°F
Control range	60°F - 90°F
Operating range	32°F - 122°F

### Physical Data

Display size	3.75"
Display type	LCD Liquid Crystal Display
Display dimensions	1.25" H x 3.5" W
Casing dimension	4.5" H x 4.5" W
Adjustments	Push buttons

## Digital Touchscreen Thermostat

Ice Air's Digital Touchscreen Thermostat is an attractive user friendly touchscreen display that is quick and easy to configure.

### Key Features:

- 7-Day programmable schedule with: Wake, Away, Home, and Sleep settings
- Configurable for various terminal units including: PTAC, SPAC, FCU, WSHP, and HWCAC.
- Anti-cycle time delay function (for DX-applications)
- Anti-freeze protection (for hydronic applications)
- Alarm/fault protection
- Outside ambient air temperature sensor
- Touchscreen controls with simple, user friendly navigation screens

### Standard Functions:

- Modes: Heat, Cool, Auto, Fan Only
- Temperature adjustment
- Fan Speed Adjustments: High, Medium, Low, Auto
- Clock: 12-hour (AM/PM) or 24-hour
- Calendar: Month, Day, Year
- System: On / Off



Model No. **ELA-13086**

### Electrical Specifications

Power supply	AC24V/1A/50-60HZ
Control signal output	AC24V/0.5A

### Temperature Ranges

Measurement range	32°F - 99°F
Control range	60°F - 90°F
Operating range	32°F - 122°F

### Physical Data

Size	3.5"
Resolution	320×RGB×480dot
Display dimensions	2" H × 2-7/8" W
Casing dimensions	4.5" H × 4.5" W
Screen type	Capacitive TFT touch screen

## Habitat Thermostat

Ice Air's Habitat Thermostat is an attractive, user friendly, WiFi enabled thermostat that is quick and easy to configure.

### Key Features:

- WiFi thermostat eliminates the need for control wire, reducing cost and maximizing ease of installation
- Programmable schedule with: Wake, Away, Home, and Sleep settings; 7-day, 5-day, or 5+2-day scheduling
- Non-programmable operation is easily selected
- Configurable for various terminal units including: PTAC, SPAC, FCU, WSHP, and HWCAC.
- Anti-cycle time delay function (for DX-applications)
- Anti-freeze protection (for hydronic applications)
- Guardian water leak detection, system shutoff & alarm (with purchase of water detection sensor)
- Habitat Homelink allows for remote system monitoring and control via a smartphone or tablet (with purchase of WiFi adaptor)

### Standard Functions:

- Modes: Heat, Cool, Auto, Fan Only
- Temperature adjustment
- Fan Speed Adjustments: High, Medium, Low, Auto
- Clock: 12-hour (AM/PM) or 24-hour
- Calendar: Month, Day, Year
- System: On / Off



Model No. **ELA-13161**

### Electrical Specifications

Power supply	Battery powered or 24VAC
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### Temperature Ranges

Measurement range	32°F - 99°F
Control range	55°F - 95°F
Operating range	32°F - 122°F

### Physical Data

Display size	3-3/4"
Display dimensions	3-1/8" H x 2-1/8" W
Casing dimensions	3-7/8" H x 3-7/8" W x 1-1/16" D
Screen type	LCD Liquid Crystal Display

## Manual Temperature and Fan Speed Dial Thermostat

Ice Air's Manual Temperature and Fan Speed Dial Thermostats for Fan Coil Units offer basic control functions with an easy-to-use interface.

### Standard Functions:

- Temperature Adjustments: Warmer to Colder dial
- Fan Speed Adjustments: Off, High, Medium, Low



### Electrical Specifications

Power supply	Line voltage
Control signal output	Line voltage

### Temperature Ranges

Measurement range	32°F - 99°F
Control range	60°F - 90°F
Operating range	32°F - 122°F

### Physical Data

Plate dimensions	4-3/4" H × 6-1/4" W
Knob dimensions	1-1/8" diameter
Adjustments	Manual dials

# Thermostat



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## Manual Temperature and Mode Dial Thermostat

Ice Air's Manual Temperature and Fan Speed Dial Thermostats for Packaged Terminal Units (PTAC) offer basic control functions with an easy-to-use interface.

### Standard Functions:

- Temperature Adjustments:  
Warmer to Colder dial
- Mode options:
  - 4-mode: Off, Heat, Lo-Cool, Hi-Cool
  - 6-mode: Off, Exhaust, Vent, Heat, Lo-Cool, Hi-Cool
  - *Vent mode*: Outside air damper open, evaporator fan on, condenser fan off, compressor off
  - *Exhaust mode*: Outside air damper open, condenser fan on, evaporate fan off, compressor off



### Electrical Specifications

Power supply	Line voltage
Control signal output	Line voltage

### Temperature Ranges

Measurement range	32°F - 99°F
Control range	60°F - 90°F
Operating range	32°F - 122°F

### Physical Data

Plate dimensions	4-5/8" H x 5-5/8" W
Knob dimensions	1-1/8" diameter
Adjustments	Manual dials

## Nest Learning Thermostat™

Ice Air's Nest Learning Thermostat™ is an electronic, programmable, and self-learning Wi-Fi-enabled thermostat that optimizes heating and cooling of homes and businesses to conserve energy.

### Key Features:

- Auto schedule™ learns the temperature you like and programs itself
- Auto-Away™ automatically turns to an energy-saving temperature when it detects that no one is there
- Remote control allows changes to temperature or schedule from Smartphone, tablet or laptop when connected to Wi-Fi
- Airwave™ automatically turns off the AC a few minutes early, but keeps fan running to use up to 30% less energy
- Energy history shows log of when heating and cooling were on
- Nest Leaf appears when energy efficient temperature is used
- System Match™ turns on specific features for forced air, heat pump or radiant heat
- Thermostat lock
- 2 year limited warranty

### Standard Functions:

- Modes: Heat, Cool, Heat-Cool, Eco, Off
- Lights up when someone walks into the room
- Quick view displays temperature, day, time, humidity, energy savings
- Temperature adjustment
- Languages: English, Spanish, French
- Configurable for various terminal units including: PTAC, SPAC, FCU, WSHP, and HWCAC.



Model No. **ELA-10665**

### Electrical Specifications

Power supply	AC 240V / 60 Hz; Built-in rechargeable lithium-ion battery
Control signal output	12V DC
Wireless	802.11b/g/n @ 2.4 GHz 802.15.4 @2.4 GHz

### Temperature Ranges

Measurement range	32°F - 99°F
Control range	60°F - 90°F
Operating range	32°F - 122°F

### Physical Data

Size	3.26" diameter; 1.24" H
Display type	LCD (Liquid Crystal Display)
Display dimensions	1.75" diameter; 1.1" H
Circular base dimensions	3.01" diameter; 0.42" H
Rectangle base dimensions	5.9" L x 4.4" W x 0.42" H
Adjustments	Press connectors, Nest Web and Mobile App