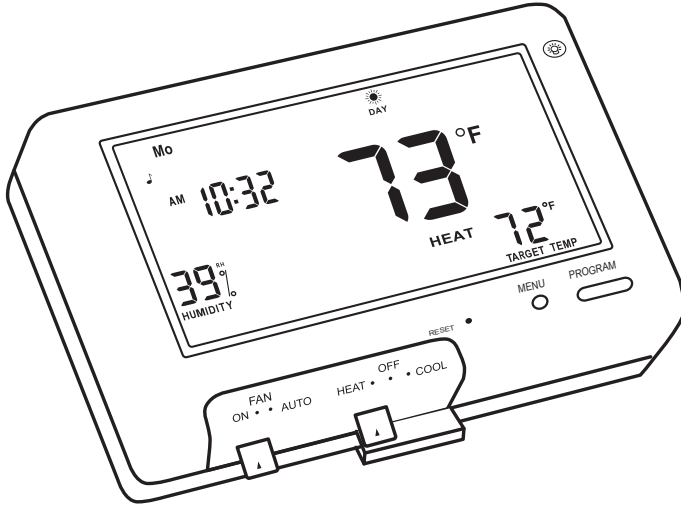
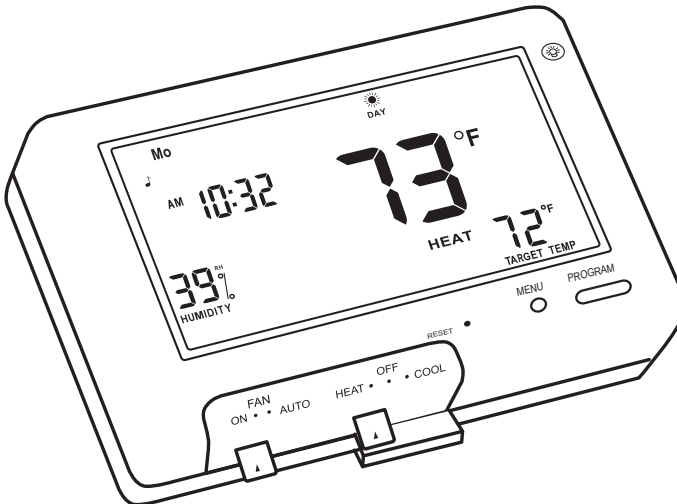


# Operation 8085C

# ritētemp®



**ENGLISH**



# Operation 8085C

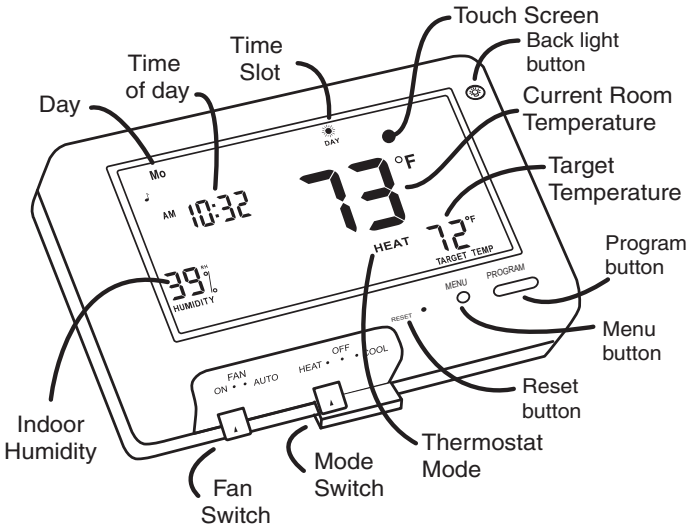


## Using a TOUCH SCREEN

Please take a moment to try out your touch screen itself.

To select a function, place your finger on the main temp display and give a short firm touch. Try a "tap" of the finger or stylus. Your input must last long enough for the system to determine it is not an accidental "bump".

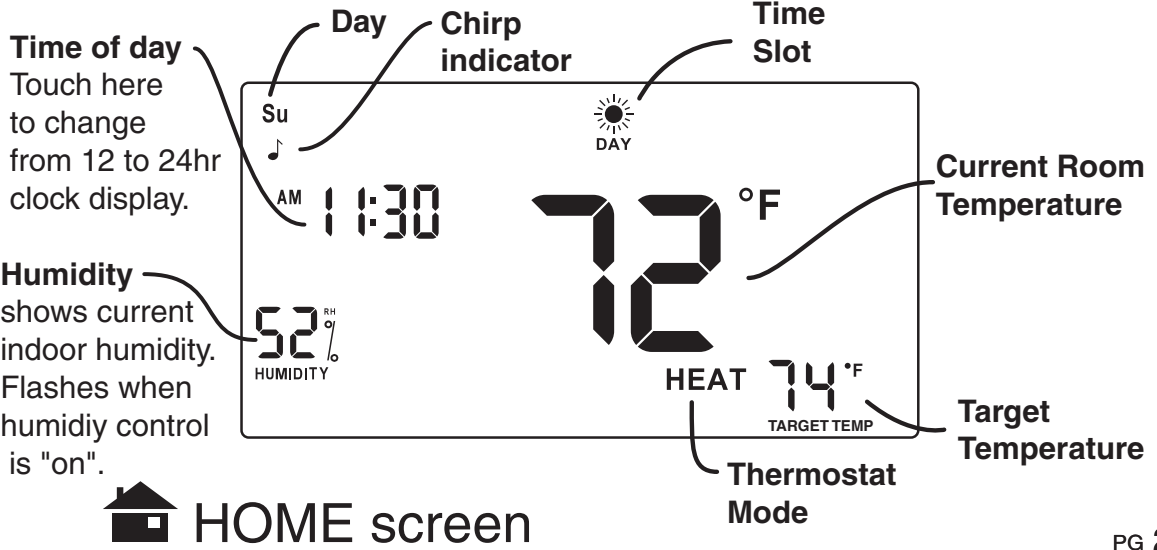
Using the stylus is more comfortable for some users, and work well in dry climates. Again allow the system enough time to recognize your inputs. When you are comfortable with touch inputs, proceed.



Statement of use: The 8085C can be used with most 24 volt gas, oil or electric heating and air conditioning systems, heat pumps, gas millivolt and zoned heating systems. It cannot be used with 120 volt heating systems.

## Basic Screens

The **MODE SWITCH** of the 8085C must be in the **HEAT** or the **COOL** position to access all control functions. The 8085C Thermostat has 3 basic screens. The **HOME** screen is displayed when unit is operating your system. Touching the will always return you to this screen.



# MENU screen

Displayed when the MENU button is pressed from the HOME screen.

The MENU screen displays the current day (Tu), time (10:26 AM), and humidity levels (90% MAX, 30% MIN). It includes buttons for SWING, FILTER, CALIBRATE DISPLAY, and temperature unit selection (F). A home icon is in the top right corner.

- Set Day**: Touch this area to set the day of the week.
- Temperature Swing set**: Touch this area to set the temperature swing.
- Filter Timer set**: Touch this area to set the filter timer.
- Lock Program**: Touch for 5 sec to lock or unlock.
- Return HOME**: Touch the home icon to return to the HOME screen.
- Chirp set**: Touch this to turn the audible chirp on or off.
- Set Time**: Touch this area to set the time of day. Left arrow goes back, right arrow goes forward.
- DST set**: Touch this for Daylight Savings Time.
- Humidity**: Touch MIN and Max to set desired humidity.
- Calibrate Display**: Touch here to match display to another thermometer.
- Set °C -°F**: Touch the temperature unit icon to switch between Celsius and Fahrenheit.

# PROGRAM screen

Displayed when the PROGRAM button is pressed from the HOME screen.

The PROGRAM screen displays the current day (We), time (10:25 AM), and a target temperature of 72°F. It includes buttons for DAY, COPY, REVIEW, and temperature adjustment (+/-). A home icon is in the top right corner. The bottom of the screen shows 'PROG [B] TIME SLOTS • 2'.

- Set Program Day**: Touch this area to set the day of the week you want to program Target Temps for.
- Set Time Slot**: Touch this area to set the Time Slot you want to program.
- Return HOME**: When programming is complete touch this to run your program.
- Set Program Time**: Touch this area to set the time of day you want each time period to start. Left arrow goes back, right arrow goes forward.
- Copy**: Touch this area to copy current program to the next day.
- Review**: touch to auto cycle through your program.
- Select A or B Program**: Touch the [B] button to select between programs A and B.
- Select 2-6 Time Slots per day**: Touch the TIME SLOTS button to select the number of time slots per day.
- Temp Up / Temp Down arrows**: Touch these to raise and lower each Target Temp.

# 1 Configure

**NOTE:** The Mode Switch must be in **HEAT** or **COOL** mode to configure.

- Press **MENU**, from the home screen, to configure the thermostat.
- **Set day of the week -**

Touch the **Day of the week** area to cycle through the days of the week to select the current day.



- **Set time of day -**

Touch the **Time of Day** arrows to move the time selection forward or backward until it displays the current time. Touch and hold for faster setting.



- **Set °C -°F display**

Touch the °F and it will toggle to °C.



- **Set audible chirp -**

Touch the musical note icon to select the chirp or no chirp.



- **Return HOME by touching the home icon.**



# 2 Auto-run

This Thermostat comes preprogrammed with an Energy-Star™ approved program. This program is recommended by the EPA for energy efficiency. This is program selection **A**.



We strongly recommend that you Auto-Run this program for one week, and see if it works for you. If it does not fit your needs you can always input a custom program.

- To Auto-Run the Energy-Star™ program, select HEAT or COOL with the mode switch. Press **PROGRAM** button, and touch the **PROGRAM** icon in the lower left of the screen. This selects Program **A**. The unit is now running the Energy-Star™ program.
- The clock is displayed on the left. The ambient temperature is displayed in the center of the LCD touch screen. The TIME SLOT icon indicates the TIME SLOT active in the Energy-Star™ program.
- The programmed temperature is shown on the lower right. For program details refer to the Energy-Star™ program chart below.

HEAT	MORN	DAY	EVEN	NIGHT	COOL	MORN	DAY	EVEN	NIGHT
	6:00am	8:00am	6:00pm	10:00pm		6:00am	8:00am	6:00pm	10:00pm
All Days	70°F	62°F	70°F	62°F	All Days	78°F	85°F	78°F	82°F

**NOTE: 60 Second Rule-During** programming, if a button is not pushed in 60 seconds, the unit will return to the home screen. Everything you have changed while programming will be saved.

### 3 Program

Press **PROGRAM**, from the **HOME** screen, to go to the program screen -

Select **HEAT** with the **HEAT/COOL MODE** switch -

Select the **PROGRAM (A or B)** you want to set -

- Touch the **PROGRAM** icon to select A or B.
- NOTE: program **A** has 4 time slots, **B** can have 2 or 6 time slots.

Select the **day** you want to program-

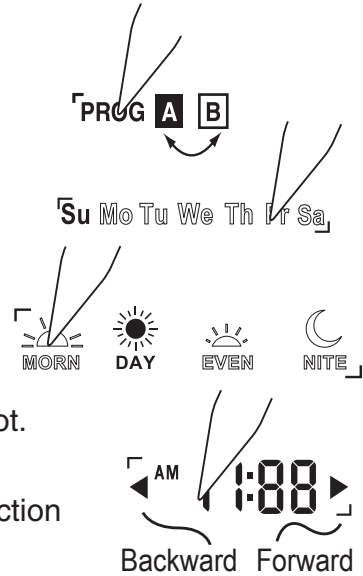
- Touch the **Day of the week** area to cycle through the days of the week to select the desired day.

Select the **time slot** you want to program -

- Touch the **Time slot** area to cycle through the available time slots, until it displays the desired time slot.

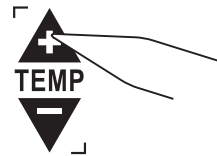
Select the **time of day** -

- Touch the **Time of Day** arrows to move the time selection forward or backward until it displays the desired time.



Select the desired **temperature** -

- Touch the **UP temp / Down temp** arrows.



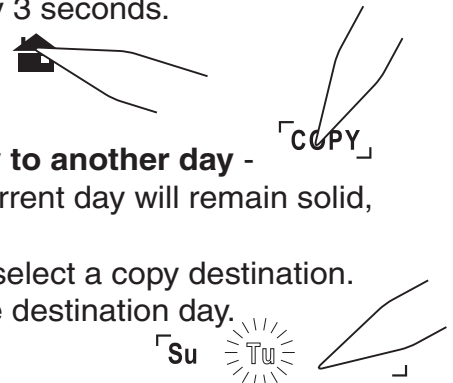
Repeat the above procedures for each day of the week and each time slot of the day as desired.

**To REVIEW** your program touch **REVIEW**. Each time slot for each day or set of identical days, will be displayed every 3 seconds.

**Return HOME** by touching the home icon.

**To COPY** the program from the current day to another day -

- Touch **COPY** on the program screen. The current day will remain solid, the destination day will flash.
- Touch the day area to advance the day and select a copy destination.
- Touch **COPY** again to copy all settings to the destination day.



**To program for cooling** -

- Select **COOL** with the Heat/Cool MODE switch and repeat the above procedure.

# MANUAL override screen

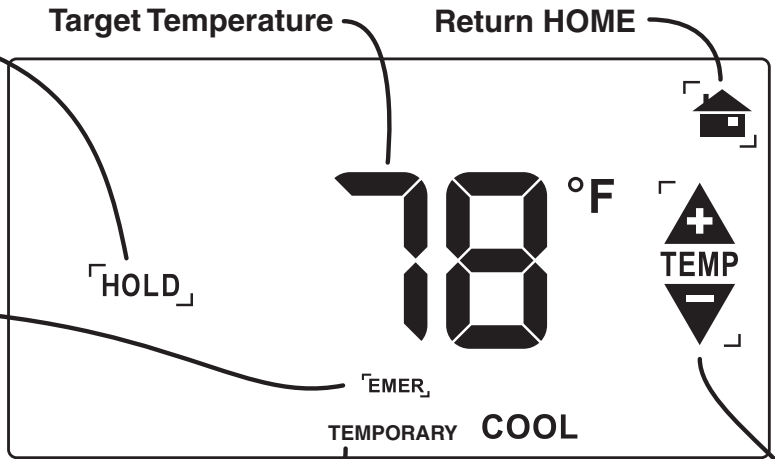
The 8085c has 3 manual override commands. These are accessed by touching the Current Temp Display at the HOME screen (center of screen).

## HOLD

Touch this area to set a comfortable target temp for the system to hold until you return and remove **HOLD**.

## EMER

-For HEAT PUMP users only-  
Touch this to engage auxiliary heat source.



**Manual Override** indicator shows when a temporary override has been made.

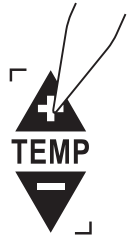
**Temp Up / Temp Down** arrows  
Touch these to raise and lower the manual override Target Temp.

**NOTE:** The Mode Switch must be in **HEAT** or **COOL** mode to override.

## TEMPORARY override -

- At the Manual screen, Touch the **Temp Up / Temp Down** arrows to select your desired temporary Target Temperature.
- Touch HOME to return to operation.

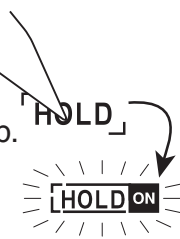
The **TEMPORARY** icon will flash indicating you have modified the Target Temp for the current Time Slot only.



## HOLD -

- At the Manual override screen, Touch **HOLD** to a hold temperature.
- Touch the **Temp Up / Temp Down** arrows to select your hold temp.
- Touch HOME to return to operation.

The HOLD icon will flash indicating you have changed the Target Temp. The system will HOLD this temperature until you return to this screen and *de-select* HOLD, by touching the HOLD icon again.



## EMER (for HEAT PUMP users with auxiliary heat only) -

This function allows you to manually select AUX heat only in case the Heat Pump fails or cannot keep up with demand for heat.

- Touch the **EMER** icon and **EMER ON** will flash. This turns on the AUX heat.
- Touch HOME to return to operation.

**NOTE FOR HEAT PUMP USERS:** In HEAT PUMP operation, there is a 5 minute delay from shutting the compressor off and turning it back on. This is true for HEAT and COOL. This is to protect against compressor stall. However, this 5 minute delay is terminated when unit is switched to OFF. So wait 5 minutes before switching through OFF to either HEAT or COOL.

**Swing**

Swing setting determines the temperature difference from ON to OFF that the thermostat will command the HVAC system to run.

- With the MODE switch in HEAT or COOL, press the **MENU** button.
- Touch the **SWING** icon and the current setting of temp swing is shown on the display (default at 3).
- To change the swing, touch the left or right arrows.



The furnace will cycle more at lower numbers, keeping temperature more constant. To complete the swing setting, push the **HOME** button.

**Low Battery**

When the batteries are low, the battery icon will come on and flash. The two AA Batteries in the unit need to be replaced. In some installations your heater system will stop functioning when the thermostat loses power.



- **Replace batteries as soon as you see this warning.** The thermostat programs will remain for 30 seconds while the batteries are changed.
- **Do not take longer than 30 sec** to change the batteries in your unit or you will lose all custom settings and all programming. Only the Energy-Star™ program will remain. Once the batteries are replaced, the system will return to normal in 2 seconds.

**Filter**

The 8085C has a feature that keeps track of actual furnace run time and reminds you to periodically replace your system's air filter.

- Press **MENU**, from the **HOME** screen, and touch **FILTER** icon.
- This will display your accumulated filter run time.
- To input a new filter life time, touch the **FILTER** icon for 3 seconds.
  - Input the lifetime hours for your new filter.
  - To zero the filter timer for a new filter, touch the accumulated time display.
  - To leave the filter display, touch **HOME**

**Lock**

Allows you to prevent any changes in custom settings.

- To lock, touch the LOCK icon on the MENU screen for 5 sec.
- To unlock, Touch the locked icon for 5 sec.

**12/24 hour**

The thermostat can display time in 12 or 24 hour formats. At the HOME screen touch the time display to toggle from 12 to 24 hr display.

**E.L. Backlight**

Backlight comes on automatically when the touch screen is touched or press the Backlight button for 16 sec of illumination.

**DST Setting**

At the MENU screen, the DST toggles the clock on and off Daylight Savings Time.

**HUMIDITY**

On the HOME screen, the humidity in the room is displayed. This thermostat can control the humidity level



with the proper equipment installed in the HVAC system.

**Maximum Humidity setting** (Requires air conditioning and COOL mode)- This thermostat can be used to de-humidify by turning on the air conditioning as a function of humidity. Cooler air cannot hold as much moisture.

**To set the MAX humidity level desired -**

- From the **MENU** screen and touch **MAX**.



- Use the up/down arrows to set the **MAX**imum humidity level you desire.
- NOTE: The air conditioner will then be controlled by both humidity and/or temperature.

Either one coming on will reduce the temperature and the humidity.

**Minimum Humidity setting** (requires a built-in humidifier and HEAT mode)- This thermostat can be used to humidify by turning on a humidifier in the furnace. Connect the H terminal on the humidifier control relay.

**To set the MIN humidity level desired -**

- From the **MENU** screen and touch **MIN**.



- Use the up/down arrows to set the **MIN**imum humidity level you desire.

NOTE: When the humidifier is turned on, the fan will also come on automatically.