Operation 8082C ritëtemp ™

ENGLISH

Operation 8082C

riẗëtemp ™

Using a TOUCH SCREEN

Touch Screen
Back light button
Current Room Temperature
Time Slot
Time of day
Day
Target Temperature
Program button
Menu button
Reset button
Thermostat Mode
Mode Switch
Fan Switch
Indoor Humidity

Statement of use: The 8082C 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.**
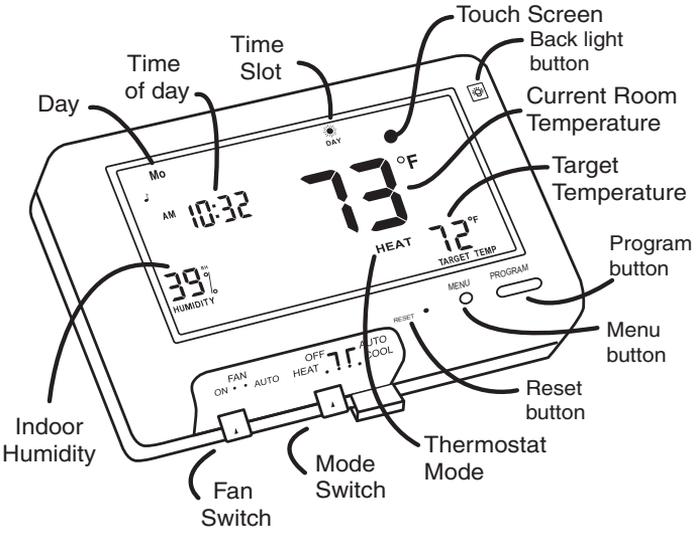
Please take a moment to try out your touch screen itself.

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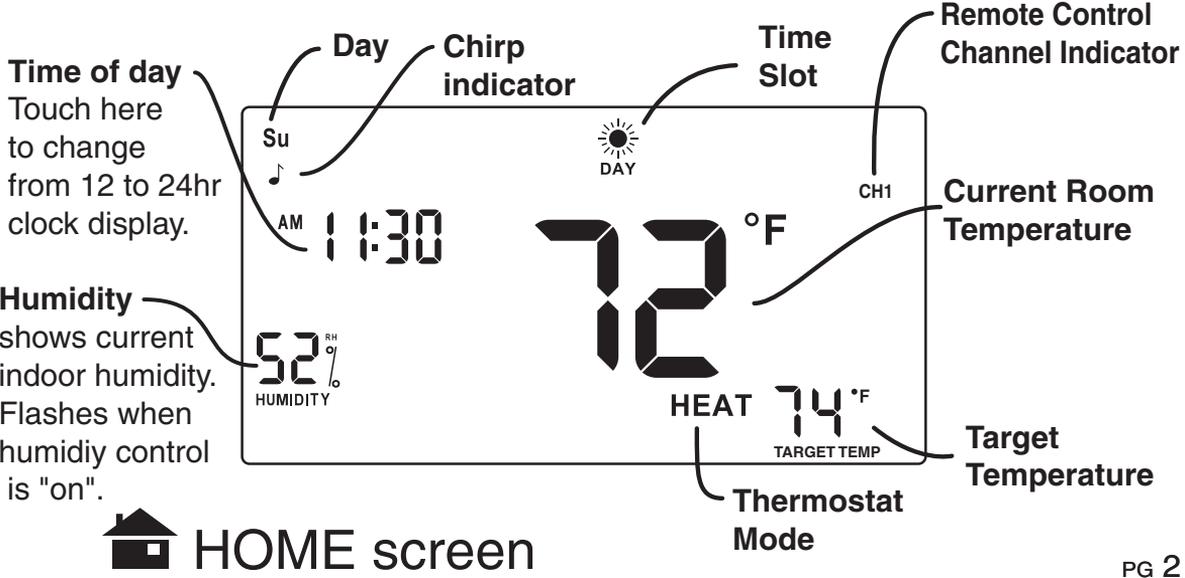
Using the stylus is more comfortable for some users, and work well in dry climates. Again allow the system enough time to recognize your inputs. When you are comfortable with touch inputs, proceed.

Basic Screens

The **MODE SWITCH** of the 8082C must be in the **HEAT** or the **COOL** position to access all control functions. The 8082C 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.

Time of day
Touch here to change from 12 to 24hr clock display.

Day

Chirp indicator

Time Slot

Remote Control Channel Indicator

Current Room Temperature

Humidity shows current indoor humidity. Flashes when humidiy control is "on".

Target Temperature

Thermostat Mode

🏠 HOME screen

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

Set Day
Touch this area to set the day of the week.

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

Temperature Swing set

Filter Timer set

Lock Program
Touch for 5 sec to lock or unlock

Return HOME

Humidity
Touch MIN and Max to set desired humidity

Calibrate Display
Touch here to match display to another thermometer

Set °C -°F

Remote Control
Channel select

Display readout: Tu, SWING, FILTER, CALIBRATE DISPLAY, CH 2, AM 10:26, DST, °F, 90% RH MAX, 30% RH MIN

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

Set Program Day
Touch this area to set the day of the week you want to program Target Temps for.

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

Set Time Slot
Touch this area to set the Time Slot you want to program.

Select A or B Program

Select 2-6 Time Slots per day

Return HOME
When programming is complete touch this to run your program.

Temp Up / Temp Down arrows. Touch these to raise and lower each Target Temp.

Display readout: We, DAY, AM 10:25, COPY, REVIEW, 72 °F, TEMP, HEAT, PROG B TIME SLOTS • 2

1 Configure

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

ï **Press MENU, from the home screen, to configure the thermostat.**

ï **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.

Su Mo Tu We Th Fr Sa

ï **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.

AM 1/:88

Backward Forward

ï **Set °C -°F display**
Touch the °**F** and it will toggle to °**C**.

°F
°C

ï **Set audible chirp** -
Touch the musical note icon to select the chirp or no chirp.

ï **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.

ï 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.

ï 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.

ï 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^{PG 7}
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 -

ï 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-

ï 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 -

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

Select the time of day (must be done in **HEAT** mode)-

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

COOL times will be the sames as these HEAT times.

Backward Forward

Select the desired temperature -

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

To program for cooling -
ï Select COOL with the Heat/Cool MODE switch and repeat the above procedure.
NOTE: Due to the requirements of AUTO mode, **Time of Day** will not be available in
COOL programming, and all temperatures must be 3°F or more above the HEAT temp for
that time slot. This avoids HEAT - COOL control conflicts over time or target temperature.

MANUAL override screen

PG 9
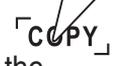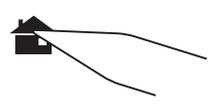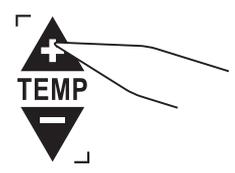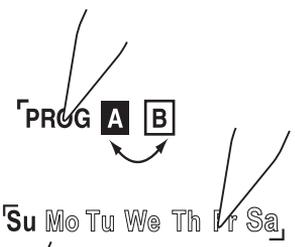
The 8082C has 3 manual override commands. These are accessed by touching the Current Temp Display at the HOME screen (center of screen).

Target Temperature   **Return HOME**

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

78 °F

HOLD

TEMP

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

EMER
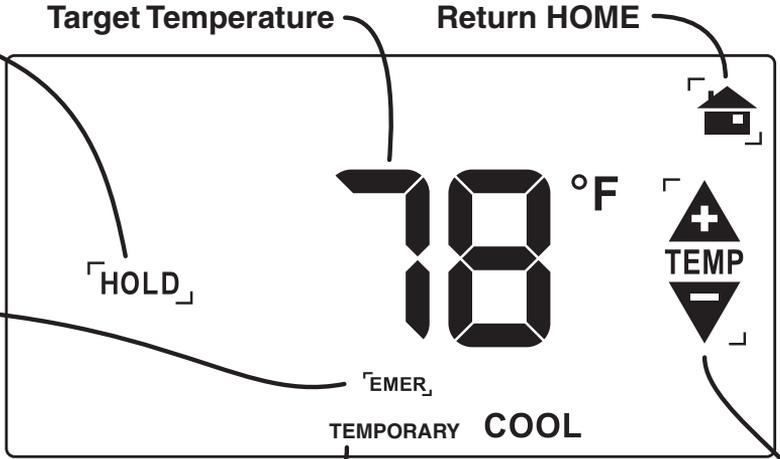
TEMPORARY   COOL

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 -
ï At the Manual screen, Touch the **Temp Up / Temp Down** arrows to select your desired temporary Target Temperature.
ï Touch HOME to return to operation.
The **TEMPORARY** icon will flash indicating you have modified the Target Temp for the current Time Slot only.

TEMP

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

HOLD

HOLD ON
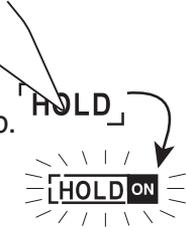
EMER (for HEAT PUMP users with auxiliary heat only) -
This function allows you to manually select AUX heat only in case the Heat Pump fails or cannot keep up with demand for heat.
ï Touch the **EMER** icon and **EMER ON** will flash. This turns on the AUX heat.
ï Touch HOME to return to operation.

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.

PG 10

4 Special Features

Swing Swing setting determines the temperature difference from
ON to OFF that the thermostat will command the HVAC system to run.
ï With the MODE switch in HEAT or COOL, press the **MENU** button.
ï Touch the **SWING** icon and the current setting of temp swing is shown
on the display (default at 3).
ï To change the swing, touch the left or right arrows.
The furnace will cycle more at lower numbers, keeping temperture more constant.
To complete the swing setting, push the **HOME** button.
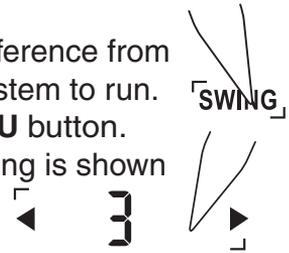
Low Battery When the batteries are low, the battery
icon will come on and flash. The two AA Batteries in
the unit need to be replaced. In some installations your heater system will
stop functioning when the thermostat loses power.
ï **Replace batteries as soon as you see this warning.** The thermostat
programs will remain for 30 seconds while the batteries are changed.
ï **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 8082C has a feature that keeps track of actual furnace
run time and reminds you to periodically replace your system's air filter.**
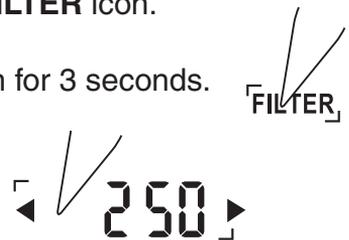ï Press **MENU,** from the **HOME** screen, and touch **FILTER** icon.
This will display your accumulated filter run time.
ï To input a new filter life time, touch the **FILTER** icon for 3 seconds.
ï Input the lifetime hours for your new filter.
ï To zero the filter timer for a new filter, touch the
accumulated time display.
ï To leave the filter display, touch **HOME**

Lock **Allows you to prevent any changes in custom settings.**
ï To lock, touch the LOCK icon on the MENU screen for 5 sec.
ï 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 Seting At the MENU screen, the DST toggles the clock on and off
Daylight Savings Time.

AUTO Switching In the AUTO mode, the 8082C will automatically change from heat to cool as necessary. The AUTO uses the HEAT program for heating and the COOL program for cooling. **NOTE:** If **TEMPORARY** or **HOLD** is used, the AUTO switching function is disabled.

Remote Control **Set Channel on Remote-**
ï To set the channel of the remote, slide the CHANNEL switch to your desired channel number.
Set Channel on the main unit-
ï To set the channel of the main unit, press MENU and touch "CH" CHANNEL to select the same channel number as the remote and then touch "HOME".
Temporary temperature override -
ï With the Mode switch of the main unit in HEAT or COOL and the unit at the **HOME** screen,
ï When the 8082C recieves a remote command for a **TEMPORARY** adjustment, The MANUAL OVERRIDE screen comes on showing the new target temperature, and the temporary icon will be blinking. After about 15 seconds, the home screen will return showing the room temperature and the new target temperature.
The remote beeps to let you know it is working. The main unit beeps when it recieves a remote command. The **TEMPORARY** icon comes on which shows the displayed Target Temperature is different from the programmed setting.
**To cancel the Remote temperature overrides -**
ï Press the remote's "RESET" button once. The main unit will return to its program.

Beep Pattern
The remote beeps once and then 3 seconds later beeps 1,2,or 3 times (depending on channel selection) and sends the signal. The thermostat beeps when it receives the signal. **Note:** The unit sends a one degree increment for each time you press the **UP** or **DOWN** arrow on the remote. Pressing the remote once per 3 second interval gives the unit time to respond to your command. Faster pressing can give unreliable results.

Temp up button
Temp reset button
Channel selector
Temp down button
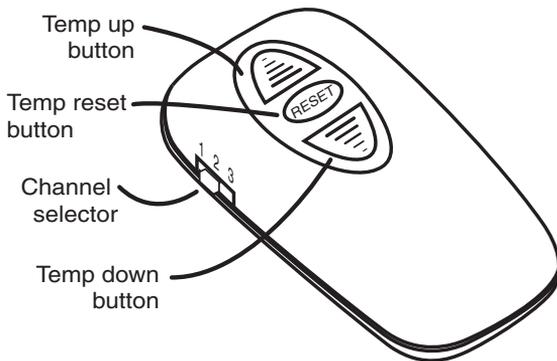
To Replace Batteries in the remote -
Open the compartment as shown. Insert the A23 (MN21) size battery as shown and then replace the cover closed.

A23 (MN21)
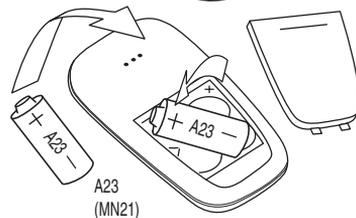
NOTE: The remote control system for the 8082c operates on external "C" wire power only. The thermostat must be connected to the "C" wire or a 24vac power source for the remote to function. If your unit is operating on Batteries only, then the remote function is disabled to protect battery life.

Remote Control frequency 312MHz

This device complies with Part 15 of the FCC Rules. Operation is subject to the follow two conditions: (1) This device may not casue harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Warning: 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.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, this is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

4 Special Features cont.

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 -
ï From the **MENU** screen and touch **MAX**.
ï 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 8082C to the humidifier control relay.

To set the MIN humidity level desired -
ï From the MENU screen and touch MIN.
ï Use the up/down arrows to set the MIN humidity level you desire.
NOTE: When the humidifier is turned on, the fan will also come on automatically.