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Part Number: 611-029-001

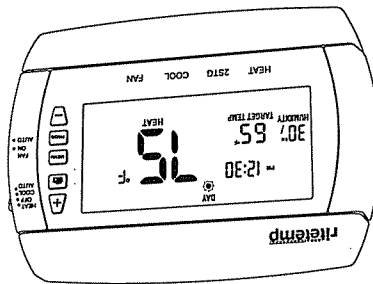
16mar07 initial release

30mar07 edit

1may07 added Humidity blurb to page 3

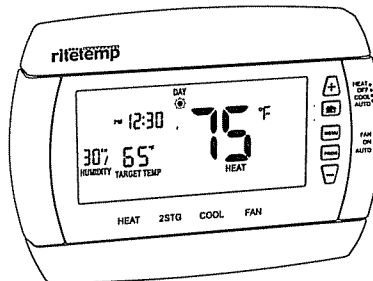
1611-029-001

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Operation 6080

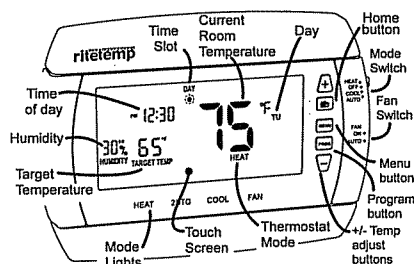
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ENGLISH

Operation 6080

ritetemp



Statement of use: The 6080 can be used with millivolt, 24VAC, single and 2 stage conventional systems, gas/oil/electric heat, 1 stage heat pumps, 2 stage heat pumps, zoned hot water (2 or 3 wire), zoned forced air, single and 2 stage cooling and hybrid systems.

Using a TOUCH SCREEN

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

To test a simple function on the touch screen, place your finger on the time display and give a short firm push. 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. Again allow the system enough time to recognize your inputs.

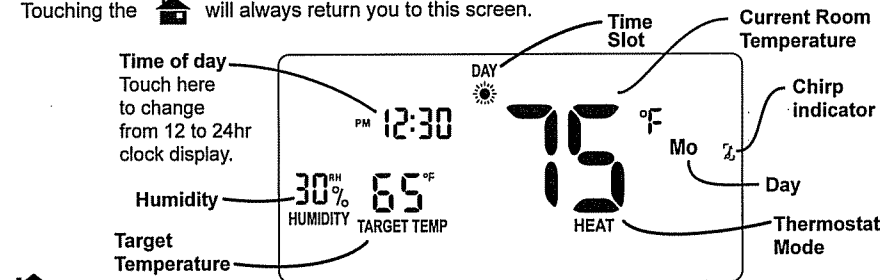
When you are comfortable with touch inputs, proceed.

PG 1

Basic Screens

The **MODE SWITCH** of the 6080 must be in the **HEAT** or the **COOL** position to access all control functions. The 6080 Thermostat has 4 basic screens - HOME, MENU, PROGRAM and MANUAL. The **HOME** screen is displayed when unit is operating your system.

Touching the will always return you to this screen.



HOME screen

PG 2

MENU screen

Displayed when the MENU button is pressed.

The MENU screen displays the following settings and controls:

- Set Time:** Touch this area to set the time of day. Left arrow goes back, right arrow goes forward.
- Set °C-°F:** Touch this to set temperature display.
- Remote Channel set:** Touch this to set the remote channel.
- Lock Program:** Touch for 2 sec to lock level1 [allows temporary changes] and 5sec more for level2 [full lock].
- Set Day:** Touch this area to set the day of the week.
- Chirp set:** Touch this to turn the audible chirp on or off.
- Random Fan:** Use this for additional air circulation for better indoor air quality.
- Comfort setting:** Use this to select efficiency or comfort.
- Calibration control:** Use this to calibrate your LCD display match to another thermometer.
- Humidity:** Use this to select MIN and Max humidity.
- Day Light Savings 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.
- Humidifier Pad Timer set:** Touch this area to set the time of day you want each time period to start. Left arrow goes back, right arrow goes forward.
- Filter Timer set:** Touch this area to set the time of day you want each time period to start. Left arrow goes back, right arrow goes forward.
- UV Bulb Timer set:** Touch this area to set the time of day you want each time period to start. Left arrow goes back, right arrow goes forward.

PG 3

PROGRAM screen

Displayed when the PROGRAM button is pressed.

The PROGRAM screen displays the following settings and controls:

- 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.
- Set Time Slot:** Touch this area to set the Time Slot you want to program.
- Copy:** Touch this area to copy current program to the next day.
- Set Program Day:** Touch this area to set the day of the week you want to program Target Temps for.
- Return HOME:** When programming is complete press this to run your program.
- Temp Up / Temp Down arrows:** Touch these to raise and lower each Target Temp.
- Program select:** Touch and hold for 2 sec to cycle through 2, 4, 6 time slot programs. [note: EPA Energy-Star prog is not changable.]
- Review:** touch this area to auto cycle through your program.

PG 4

Configure

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

PG 5

Press MENU to configure the thermostat (from HOME screen).

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 pressing the home button.



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Auto-run

This Thermostat comes preprogrammed with an Energy-StarTM approved program. This program is recommended by the EPA for energy efficiency.



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-StarTM program, select HEAT or COOL with the mode switch. The unit is now running the Energy-StarTM 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-StarTM program.
- The programmed temperature is shown on the lower right. For program details refer to the Energy-StarTM program chart below.

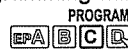
EPA	MORN	DAY	EVEN	NITE	MORN	DAY	EVEN	NITE	
HEAT	6:00am	8:00am	6:00pm	10:00pm	COOL	6:00am	8:00am	6:00pm	10:00pm
All Days	70°F	62°F	70°F	62°F	All Days	78°F	85°F	78°F	82°F

PG 6

Program

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. PG 7

Select Program you want set - B, C, D, or EPA
Prog B has 2 periods, C 4 periods, D 6 periods.



Select HEAT with the HEAT/Cool MODE switch.
Press PROG to go to the programming screen.

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.

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Select the time slot you want to program -
Touch the **Time slot** area to cycle through the 4 time slots, until it displays the desired time slot.

MOON MID DAY AFTER EVEN NITE

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. Touch and hold for faster time set.



Program cont.

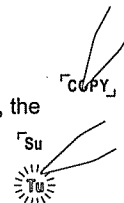
Select the desired temperature -
Press the + temp / - temp buttons.

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 pressing the home button.

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

The 6080 has 2 manual override commands. These are accessed by pressing the + Temp / - Temp buttons.

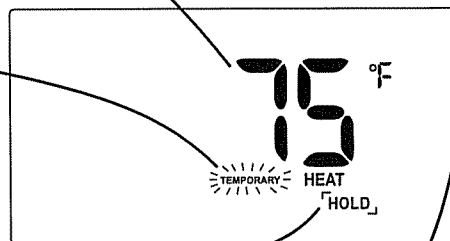
PG 9

Manual Override indicator
Blinks TEMPORARY when you have modified the Target. This returns to the programmed target temp at the next time slot.

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

Target Temperature

+ Temp / - Temp buttons
Touch these to raise and lower the manual override Target Temp.



MANUAL override screen

Return HOME

Manual cont.

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

Temporary OVERRIDE -

- Press the + Temp / - Temp buttons to select your desired temporary Target Temperature.
- Press HOME to return to operation.

The TEMPORARY icon will go on indicating you have modified the Target Temp for the current Time Slot only (see PG7-Time Slot).

HOLD -

- At the Manual override screen, Touch HOLD to initiate a hold temperature.
- Press the + Temp / - Temp buttons to select your hold temperature.
- Press HOME to return to operation.

The ON 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

PG 10

Special Features

PG 11

Comfort Level

There are three COMFORT level selections ECON, NORM, and LX. We recommend the NORM for most areas, LX for severely cold areas (particularly with heat pumps) and ECON for warm climates (uses less energy).

To change the setting, with the MODE switch in heat or cool, press the MENU button. The touch COMFORT level you want

COMFORT 

Low Battery

When the batteries are low, the battery icon will 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 60 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.



Spec. Featr. cont.

Lock

Allows you to prevent any changes in custom settings.

To Lock Level1, touch the LOCK icon on the MENU screen for 2 sec.

Level1 allows temporary target adjustments but no program changes

To Lock Level2, touch LOCK icon for 2 sec. Level2 allows no changes.

To unlock, Touch the locked icon for 2 sec.



12/24 hour

The thermostat can display time in 12 or 24 hour formats.

At the HOME screen touch the time to toggle from 12 to 24 hr display.

Filter

The 6080 has a feature that keeps track of actual furnace run time and reminds you to periodically replace your systems air FILTER.

Press MENU and touch the FILTER icon. This will display your filter run-time to date in weeks. To zero the FILTER timer for a new FILTER, touch the run-time time display. To input a new FILTER life time, touch the FILTER icon for 3 seconds. Input the life time in weeks for your new FILTER to activate a reminder (FILTER icon on home screen).

To leave the FILTER display, touch the HOME button.

 FILTER

LIMIT

25 WKS

PG 12

Heat Pump Features

If you have a heat pump with Auxiliary heat, the new sequential staging will give you faster recovery from set backs. The thermostat can be configured for Electric aux or gas/oil aux heat (see installation). If the heat pump cannot maintain your desired room temperature, the new system allows the Aux heat to help maintain your heat all the way to your desired room temperature.

When using a heat pump with Auxiliary heat, if the heat pump is not working, you can shut off the heat pump and use just your auxiliary heat; assuming the 6080 is set up for a heat pump (see installation jumper set up for heat pump). While at HOME screen, push the MENU button. The ON HEAT PUMP icon will be shown (bottom of screen). Touch the HEAT PUMP ICON and it will change to HEAT PUMP OFF. Then push HOME. Auxiliary heat is more expensive than the heat pump, so turn the heat pump back on as soon as possible.

UV BULB

The 6080 allows you to keep track of the actual real time of your Ultra Violet air purifier and can remind you to periodically replace your UV-BULB. Press MENU and touch UV-BULB icon.

This will display your accumulated bulb running time in weeks. To zero the UV-BULB timer for a new bulb, touch the accumulated time display. To input a new UV-BULB life time, touch the UV-BULB icon for 3 seconds. Input the life time in weeks for your new UV-BULB to activate a reminder (UV-BULB icon on home screen). To leave the UV-BULB display, touch the HOME button.

H-PAD

The 6080 allows you to keep track of the actual humidifier run time of your humidifier pad and can remind you to periodically replace your H-PAD.

Press MENU and touch H-PAD icon. This will display your accumulated humidifier running time in weeks. To zero the H-PAD timer for a new bulb, touch the accumulated time display. To input a new H-PAD life time, touch the H-PAD icon for 3 seconds. Input the life time in weeks for your new H-PAD to activate a reminder (H-PAD icon on home screen).

To leave the H-PAD display, touch the HOME button.

RANDOM FAN

The RANDOM FAN function allows your fan to circulate air for at least 5 minutes per hour for better indoor air quality.

To turn it on or off, touch the MENU button, and touch the RANDOM FAN icon: the ON icon will come be displayed, touch again to turn it off. When the thermostat is controlling the fan, the fan icon will indicate it is running.

TRUE AUTO MODE

The 6080 can automatically switch from HEAT to COOL. In addition to COOL and HEAT modes, the 6080 TRUE AUTO mode switches automatically between heat and cool. Auto switching is normally limited in two ways. The COOL target cannot be any closer than 2F or 3F above the heat target, and the COOL programmed times must be the same as the HEAT programmed times. Unlike all other manufactures, the 6080 TRUE AUTO has no such temperature or time limitations (Patent pending).

REMOTE CONTROL

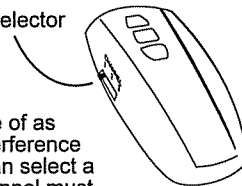
Note: The remote control cannot work unless the **C wire** is connected from your HVAC (see installation guide)

The 6080 comes with a 3 channel remote control with a range of as much as 50 feet (walls may reduce this range). If there is interference with the remote, or you are using more than one 6080, you can select a different channel on the remote. The thermostat's receive channel must then be changed to match that channel by pushing the **MENU** button and then touching the channel icon at the top right side of the screen. Each time you touch it, it toggles to the next channel.

To use the remote, press up or down, there will be a delay, and then the thermostats target temperature will temporally change one degree per push of the remote. If you wish to restore the target to its program setting, press the **RESET** button on the remote. If you do not use the **RESET** button, your change will stay until the next programmed period and go back to the programmed target.

To activate the remote pull out the plastic tab on the back to connect its battery (Battery Type A23 (MN21) 12V).

Channel selector



Battery install



Remote Control frequency 312MHZ

P 17

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause 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.

Note: 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, there 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.

Spec. Featr. cont.

HUMIDISTAT

The 6080 has a built in humidistat to control an external humidifier for humidifying. To set a minimum humidity level (with a humidifier installed) from the HOME screen, touch the MENU button then touch the HUMIDITY icon. Touch MIN and use the +/- buttons to set the desired minimum humidity level. The 6080 can be set up to run the humidifier whenever the humidistat calls for humidity (fan also runs) or can be set to run only when the humidistat is calling for humidity and the heat is also running. (Refer installation instruction humidistat).

De-humidifying

The 6080's built in humidistat can also control the Air Conditioner for de-humidifying. To set a maximum humidity level (using the air conditioner) from the HOME screen, touch the MENU button then touch the HUMIDITY icon. Touch MAX and use the +/- buttons to set the desired maximum humidity level. The 6080 can be set up to run the air conditioner whenever the humidistat calls to de-humidify or can be set to run the air conditioner only when the humidistat calls to de-humidify and the thermostat is also calling for COOL. (Refer installation instruction Humidistat).

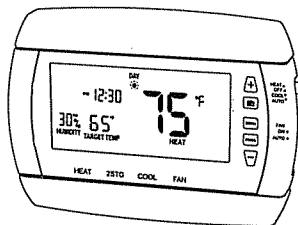
P 18

6080 Features

P 19

This thermostat can be used with all millivolt and 24VAC heating and cooling systems. It cannot be used with line voltage systems. This thermostat is digital and your desired heat or cool temperatures can be easily be set on the large touch screen with the UP/DOWN arrows. A minimum 4 minute off time protects heating and cooling systems from damage.

When using a heat pump with Auxiliary heat, if the heat pump is not working, you can shut off the heat pump and use just your auxiliary heat; assuming the 6080 is set up for a heat pump (see installation jumper set up for heat pump). While at HOME screen, push the MENU button. The ON HEAT PUMP icon will be shown (bottom of screen). Touch the HEAT PUMP ICON and it will change to HEAT PUMP OFF. Then push HOME. Auxiliary heat is more expensive than the heat pump, so turn the heat pump back on as soon as possible.

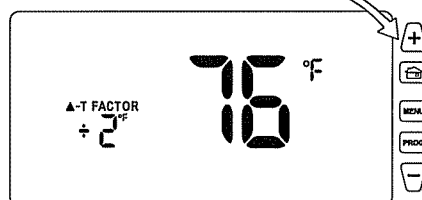


Calibration

NOTE: Your thermostat comes from the factory calibrated to + or - 1°F actual temperature. It is an accurate instrument. If you want your thermostat to display the same temperature as another thermometer in your home, you can adjust it. Maximum calibration is +/-6°.

To change the calibration:
Press the **MENU** button nad touch **CALIBRATE**.
Press the Temp+/- buttons to adjust the temperature reading.
CALIBRATE ON will appear on the MENU screen.
Press **HOME** to save the new setting.

Calibrate controls



P 20

Notes

P 21

Notes

P 22

611-030

6080—Clamshell Card FRONT (Part 611-030):

Ink colors: PMS 158C, PMS 2617C, PMS 3125C, CMYK + Flood Gloss Aqueous Coating

Paper: Cover weight, Gloss-coated 2 sides, Bright white

Insert DieLine: 264mm x 269mm (DieLine does not print.)

879-418

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Compatible with all
home central heating
and cooling systems,
including heat pumps

Individual 7-day
programming

Largest white backlit
touch screen



universal thermostat with remote

7-Day Programmable



Questions? Call us
at 1-877-503-2353 for
USA phone support



Energy Star
Compliant



Mercury
Free



5-Year
Warranty

264mm

6080—Clamshell Card BACK (Part 611-030):

Ink colors: PMS 158C, PMS 2617C, PMS 3125C, CMYK + Flood Gloss Aqueous Coating

879-418

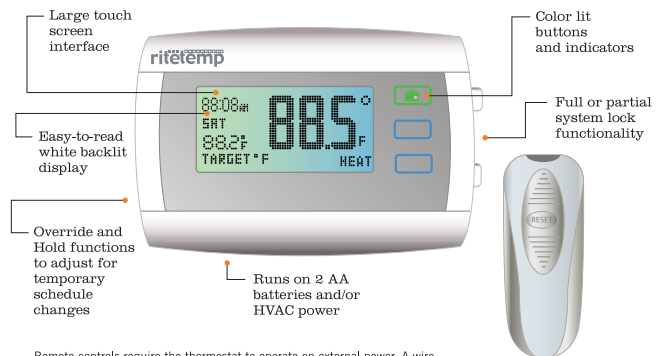
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universal
thermostat

MODEL 6080

For ultimate flexibility and control, this unit supports 2 complete programs with 2, 4, or 6 time slots per day. And the 7-day programmability means each day of the week can be programmed individually. For your convenience, the unit comes pre-programmed with an Energy Star setting for maximum energy efficiency—or choose your own custom programs to meet your specific needs.

- 5-year warranty
- Mercury free and environmentally safe
- Energy Star setting can save \$100 per year when used properly
- Wide temperature range: 35 to 95 degrees
- Sequential multi-staging for quicker room temperature recovery
- True auto-changeover from heating to cooling
- Built-in humidity control for compatible HVAC systems



Remote controls require the thermostat to operate on external power. A wire labeled "C" is required to power this product. If you do not have a "C" wire the remote will not work.

Requires 2 AA batteries (sold separately).
Works on most 24V systems without batteries.

100% guaranteed compatibility with all popular HVAC systems or your money back.
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269mm

264mm