LOCATION FOR INSTALLATION

Look for a location, which has a constant temperature in the house and it is not near the door entry or air condition outlet (see example on Figure 1).

INSTALLATION

1. Open the top housing as shown in Figure 1 and 2 with a screw driver:

2. Be careful not to touch or move the slide switches on the front and the back cover. If the switches are moved from their original position, see NOTE ON INSTALLING THE FRONT LCD COVER on page 3.

USER SETTING

Press SET button for 6 seconds to enter the user setting mode, and set the flashing indication on LCD:

1. C/F selection: Press. +/- to choose F/C setting. Then press OK to enter 24H/12H setting.
2. 24H/12H selection: Press. +/- to choose 24H/12H setting. Then press OK to enter DATE setting.
3. DATE: Press. +/- to choose YEAR. Then press OK to enter Month setting.
4. MONTH: Press +/- to choose MONTH. Then press OK to enter DAY setting.
5. DAY: Press +/- to choose DAY. Then press OK to enter CLOCK setting.
6. CLOCK: Press +/- and OK to adjust current HOUR and MINUTE. Then press OK to enter DIFFERENTIAL setting.
7. DIFFERENTIAL: Press +/- to choose desired switching differential (1 or 2). Then press OK to enter FIL TER setting.
8. FIL TER: Press +/- to select filter hours from 100-hour to 9900-hour.
   Note: for fan coil system, replacing the filter after using for certain period of time to maintain the system performance. When this function is activated, LCD will display “Reminder” signal on main screen when the filter timer is expired. This function is not effective for the system without FAN.
9. Press OK to return to main screen and run the settings.

Note: During this user setting mode, if no key is pressed for 30 seconds, thermostat will take the latest setting and start to run the setting.

PROGRAMMING THE THERMOSTAT

Note: During the program setting mode, the thermostat will return to normal operating mode if no key is pressed for 30 seconds.

KEY PAD DESCRIPTIONS

1. SET key: Use to enter program mode/view mode plus other functions.
2. +/- key: + key increase or skip to next step. - key decrease or return to previous step.
3. OK key: Press to enter setting or return to run the program.
4. RESET key: Press to reset the settings to factory default.
   Note: Override function is disabled if system switch is set to OFF.

PROGRAM REVIEW

Note: Do not put system switch to OFF position.

1. Press SET.
2. Press OK to review each Temperature/Time Setting (Program)
   Note: To exit program review mode, press SET key twice and then press OK.

C. PROGRAM SETTING:

Note: Do not put system switch to OFF position. (For model with system switch)

29060 Thermostat has 7-Day Programs with 6 Programs/day:

To set each daily program for all 7 days
1. Press SET to enter program setting, which starts with Mo-MORN (Monday-Morning).
2. Press +/- to adjust 1st Temperature setting (P 1 Temperature)
3. Press NO OK to select Mo-Morn Time setting (P 1 Time)
4. Press +/- to adjust Time setting
5. Follow procedures above to finish Temperature/Time setting for the rest of program period for all 7 days.
6. When finished all program setting, press SET twice and then press OK to start running the program.
To use COPY function for setting daily program
1. Select any day of the week and complete entire Temperature/Time setting of that day. Take that day as reference for the COPY function. (Use the same programming procedure as above).
2. Press SET to enter program setting, and then press SET again, From should be flashing on LCD.
3. Press + to select the day that its entire daily Temperature/Time setting has previously been completed.
4. Press OK to confirm selected date of reference and enter next stage copy programs to . LCD should begin to flash To on screen after pressing OK.
5. Press + to select date that you want to copy programs to.
6. Press OK to confirm selected date. The selected date will stop flashing.
7. Press + to continue selecting more dates for copying programs to. Press OK to confirm each selection.
8. To delete selected date, press - and the last selected date should be flashing. Press - again to delete this date. Repeat pressing - to delete more dates (in reverse order of selection).
Note: In COPY function mode, Date appears on LCD should always be in sequence starting from Monday (Mo)(except For Monday was chosen as reference, Tuesday (Tu) will appear, instead)
9. After COPY setting is finished, press OK twice to run the program.
Note: During this mode, press SET key once to exit without updating any settings.

THE BUILT-IN PROGRAMS

Mode 7-d P6 Factory Preset

<table>
<thead>
<tr>
<th>Mon, Tue, Wed, Thu, Fri</th>
<th>Time</th>
<th>Switch on heat</th>
<th>Switch on cooling</th>
</tr>
</thead>
<tbody>
<tr>
<td>MORNING (P1)</td>
<td>6:00</td>
<td>70 (72°F)</td>
<td>75 (74°F)</td>
</tr>
<tr>
<td>DAY (P2)</td>
<td>8:30</td>
<td>60 (15°C)</td>
<td>86 (29°C)</td>
</tr>
<tr>
<td>NOON (P3)</td>
<td>12:00pm</td>
<td>70 (72°F)</td>
<td>75 (74°F)</td>
</tr>
<tr>
<td>BREAK (P4)</td>
<td>2:00pm</td>
<td>60 (15°C)</td>
<td>85 (29°C)</td>
</tr>
<tr>
<td>EVEN (P5)</td>
<td>4:30pm</td>
<td>70 (72°F)</td>
<td>75 (74°F)</td>
</tr>
<tr>
<td>NIGHT (P6)</td>
<td>10:30pm</td>
<td>65 (18.5°C)</td>
<td>90 (66.5°F)</td>
</tr>
<tr>
<td>Saturday</td>
<td>Time</td>
<td>Switch on heat</td>
<td>Switch on cooling</td>
</tr>
<tr>
<td>MORNING (P1)</td>
<td>7:00</td>
<td>70 (72°F)</td>
<td>75 (74°F)</td>
</tr>
<tr>
<td>DAY (P2)</td>
<td>8:30</td>
<td>70 (72°F)</td>
<td>75 (74°F)</td>
</tr>
<tr>
<td>NOON (P3)</td>
<td>12:00pm</td>
<td>70 (72°F)</td>
<td>75 (74°F)</td>
</tr>
<tr>
<td>BREAK (P4)</td>
<td>2:00pm</td>
<td>70 (72°F)</td>
<td>75 (74°F)</td>
</tr>
<tr>
<td>EVEN (P5)</td>
<td>4:30pm</td>
<td>70 (72°F)</td>
<td>75 (74°F)</td>
</tr>
<tr>
<td>NIGHT (P6)</td>
<td>10:30pm</td>
<td>65 (18.5°C)</td>
<td>90 (66.5°F)</td>
</tr>
</tbody>
</table>

Note:
1. The ending time for any given date is at 11:59 for 12H-Format and 23:59 for 24H-Format. Hence, do not set 12:00 PM for NIGHT (P4) or 24:00 for NIGHT (P6).
2. Thermostat is designed to run programs in sequential order, do not set program either “overlap” in time sequence, or non-sequential time setting in program setting, this will contradict to thermostat’s operational logic.

OVERWRITE FUNCTION
Note: Do not put system switch to OFF position
Your thermostat has four temperature override options: Temporary, Comfort, Permanent Hold, Hold Temperature Until (Vacation Hold).

A. Temporary Override - Change current Temperature setting until next scheduled period time.
1. Press + or - to adjust Temperature.(Temp. Set in flashing)
2. Wait for 10 seconds, thermostat will automatically run this temporary override function, or press OK to run the setting.
(Users should read “Temporary Override” on LCD screen)
3. When Temporary Override is running, press OK to cancel Temporary Override function.

For the following 3 override functions, if there is no keypad input for 30 seconds, thermostat will resume operation.

B. Comfort Override - Change current temperature setting and hold new setting for certain hours. thermostat will resume its original programmed setting when Comfort Override function is expired.
1. Press MANUAL key.
2. Press + or - to adjust Temperature. (Temp. Set in flashing)
3. Press OK to enter selection of duration of Comfort Override
4. Press + or - to adjust Time (minimum 1 hour).
5. Press OK to run Comfort Override.
6. When Comfort Override is running, Press OK to cancel this command.

C. Permanent Hold Temperature - Change current temperature setting and to execute new setting permanently until this command is cancelled by pressing OK.
1. Press MANUAL and then press MANUAL again to choose this override function.
2. Press + or - to adjust Temperature. (Temp. Set in flashing)
3. Press OK to run Permanent Hold Temperature function. (LCD display will indicate that it is running)
4. When Permanent Hold Temperature is running, press OK to cancel this command.

D. Temperature Until (Vacation Hold) - Change current temperature setting and execute new setting until certain date.
1. Press MANUAL key 3 times to choose this override function.
2. Press + or - to adjust Temperature. (Temp. Set in flashing)
3. Press OK to select desired duration of Hold-Temperature Until .
4. Press + to select Month first and then Press OK again to enter Day selection. Press + again to select desired DAY.
5. Press ‘OK’ to run Hold T emperature Until function.
6. When Hold T emperature Until is running, press OK to cancel this command.

HOW TO ERASE MEMORY BACKUP (EEPROM)
Press OK and - keys at the same time for 6 seconds, Reset will appear on LCD display, then press Reset button on the front housing with a pen to delete all previous settings in the memory. Thermostat will resume its factory preset programs.
BACKLIGHT OPTION

Press and hold OK, then press + key to select different BackLight mode. Each press of + key will toggle between different modes in accordance to the Light Bulb symbol on the top left of LCD screen:

- No Light Bulb means BackLight is turned off
- Backlight always ON
- Auto: On for 25 seconds when any key is pressed.

NOTE ON INSTALLING THE FRONT LCD COVER

In order for the thermostat to work properly, the slide switch on the front LCD cover must be aligned with the slide switch on the back cover. After installation, if the word “FLOOR” is displayed on the upper right corner of the LCD screen, then the front cover is properly aligned with the back cover. If the word “FLOOR” is missing on the upper right corner of the LCD screen, then remove the front cover and move the slide switch to the correct position as shown below:

After setting the correct slide switch position below, point the lever-stud of the slide switch on the front cover to the elliptical hole on the back cover when closing the front cover.

Internal slide switch on the back cover should be set at the first position from the top (there are 4 positions)

Internal slide switch on the front cover should be set at the second position from the bottom (there are 4 positions)
Display Format: Liquid Crystal Display (LCD) with backlit
Floors Temperature Control Range: 41-113°F (5-45°C)
Temperature Display Range: 32-140°F (0-60°C)
Contact Rating: 16A
Control Floor Temperature in Radiant Floor Heating System
Remote control Cut-off heating output
Accuracy: ±1°F
Power Supply: 24 Vac, 50-60Hz
Switching Differential: 1-2°F (0.5-1.0°C)
Dimension: 138x110x32 mm