Thank you for purchasing this Remote controller.

* Please read this User’s Manual carefully to ensure appropriate use.
* These operating instructions describe the functions of this remote controller.

Keep these instructions where they can be found whenever necessary, preferably in the same location as the Owner’s Guide provided with the water heater.

NORITZ America Corporation
RC-9018M Operation Overview

Basic operation

It is possible to automatically turn the water heater “ON” or “OFF”.

It is possible to lock remote controller operation.

[For recirculation systems ([System [ Rcrc ]])]
It is possible to circulate hot water only during preferred times of day.

[When using only one water heater:] It is possible to set the remote controller to alert the user when the bathtub has reached a preset fill volume to prevent overfilling.

Power Saving Mode

The initial setting is set to "Powersave dsply : No-1"

If you set "Powersave dsply" to "Yes" (☞P15), unnecessary power consumption by the remote controller is prevented. If approximately ten minutes pass without using hot water or without pressing a button, the display of the remote controller turns off.

* If you use hot water or press a button, "Powersave dsply" is released.
* If you press the PROG button only once, "Powersave dsply" is released and the automatic program function will operate.
* If the setting temperature is set to 125°F/55°C or more, "Powersave dsply" will not function to prevent accidental scalding.
* If "Recirc" is operating, "Powersave dsply" will not function.
The remote controller can be customized based on the preference of the user in the following ways:

- **The set temperature can be restricted to a maximum level to prevent high temperature settings from being selected.**
  - Adjusting the Maximum Output Temperature  
  - P15

- **The clock display can be shown even though the power ON/OFF button is set to "OFF".**
  - What is the time now?  
  - Can I save power?

- **The remote controller display can be turned off to save power.**
  - Power Saving Modes  
  - P15

- **The brightness of the remote controller can be adjusted for better visibility.**
  - Remote Controller Display Brightness Settings  
  - P16

- **The remote controller can be muted so that it does not emit a tone when a button is pressed.**
  - Muting the Remote Controller  
  - P16

- **The remote controller can be muted so that it does not emit a tone when an error occurs.**
  - Error Tone Settings  
  - P16

---

### Additional Settings

- Draining the water heater (freeze prevention).  
  - P17 "Draining the Water Heater"

- Restoring default remote controller settings.  
  - P17 "Restoring Default Settings"
The remote controller will emit a tone when a button is pressed.

**Prog Button / Indicator (Red)**
Activates the automatic water heater power “ON” or “OFF” setting as determined by the user selected schedule. (☞P13)

**Power ON/OFF Button / Indicator (Green)**
For turning the water heater on/off.

**Menu Button**
* Use to change system settings or to return to the home screen.
* If you press the menu button and press the temperature setting buttons, **Sys monitor** is sometimes displayed, however, do not use this mode as it meant for installation or service personnel only.

**Alarm Off Button / Indicator (Red)**
 Stops the tone that is emitted when an error occurs. (☞P25)

**Back Button**
Returns to the previous screen while making system settings or checking status.

**Status Button**
Check the status of the system or the number of installed units (☞P6,26)

**Lock Button**
Locks remote controller operation. (☞P14)

**Enter Button**
Confirms changes made by the user.

**Hot Water Temperature Setting Buttons**
For setting the hot water temperature (☞P10), the flow meter alarm, and other settings.

**Display Screen**
(☞Next page)

**Remote Controller Part Number**
The part number is printed on the surface of the cover.
**Screen Display**

* The screen display shown below is for illustration purposes only.
  The actual display will vary depending on how the water heater is being used.
* After a button is pressed, the display will gradually become darker to prevent unnecessary power consumption by the remote controller.

**Flame Symbol**
The flame symbol is displayed during combustion when using hot water or recirculation functions.

**Display for Temperature Setting**
During normal operation, the set temperature is displayed.

**Display for High Temperature**
Displays when the set temperature is 125°F/55°C (131°F) or higher. (P11)

**Temperature Setting**
(Ex.: 110°F)

**Clock Display**
(Ex.: AM10:15)

Normally the clock display is not shown when the power ON/OFF button is set to "ON".
* This setting can be changed so that the clock is displayed even when the power button is turned "OFF". (P15)

**Error Code**
A number will flash if a failure occurs. (P25)

**Display for Recirculation Operation**
* For systems that use recirculation operation, the symbol is displayed when the power ON/OFF button is set to "ON".
* It is displayed during the recirculation operation. (P9)

**Locked Display**
The lock symbol is displayed when the remote controller is locked. (P14)

**Recirculation Timer**
The clock symbol is displayed when the recirculation timer is activated. (P21)

---

Note: As shipped from the factory, the remote controller is set to display in °F and gallons. To adjust the display to °C and liters, refer to the Installation Manual.

---

**What is the home screen?**
The home screen is displayed when the button is "ON".

Normally, the hot water temperature and the clock, etc. are displayed.

<Home Screen Example>
System Check

If you press the [STATUS] button, you can check the status of the system.

System Displayed on the Remote Controller | System Description
--- | ---
System [Std] | Water heater only operation.

System [Rcrc] | * Water heater and recirculation operation.
* During recirculation operation, hot water is always circulated in the piping to provide instant hot water when a fixture is opened.

[If you set the [ON/OFF] button to "ON",
  \[ \text{[ON/OFF]} \] is displayed. (If "synchro ON/OFF" is set to "ON". (P18))]}

System [Tank] | * Water heater combined with a storage tank operation.
* If a recirculation system is also installed, hot water is always circulated in the piping to provide instant hot water when a fixture is opened.

[If you set the [ON/OFF] button to "ON",
  \[ \text{[ON/OFF]} \] is displayed.]
Depending on the configuration of your system, not all functions may be used.

<table>
<thead>
<tr>
<th>General System Diagram</th>
<th>Applicable Remote Controller Functions</th>
</tr>
</thead>
<tbody>
<tr>
<td>* The number of water heaters, fixtures, and pumps will vary depending on the configuration of the hot water system.</td>
<td>Functions other than those shown on pages 18 to 21 can be used.</td>
</tr>
</tbody>
</table>

![General System Diagram](image)

- Water heater only operation. Functions other than those shown on pages 18 to 21 can be used.
- Water heater and recirculation operation. During recirculation operation, hot water is always circulated in the piping to provide instant hot water when a fixture is opened. (If you set the button to “ON”, is displayed. (If “synchro ON/OFF” is set to “ON”. (P18))
- Water heater combined with a storage tank operation. If a recirculation system is also installed, hot water is always circulated in the piping to provide instant hot water when a fixture is opened. (If you set the button to “ON”, is displayed.) Functions other than those shown on pages 18 to 23 can be used.

Depending on the configuration of your system, not all functions may be used.

When you start using the system, cold water in the piping must be discharged before receiving hot water.

- Instant hot water is available.
- Hot water is circulated in the piping.
- Pump

All functions can be used.

- Instant hot water is available.
- Hot water is circulated to the tank.
- Pump

Functions other than those shown on pages 18 to 23 can be used.

- Instant hot water is available.
# Clock Adjustment

For All Systems

---

## Operation Screen Display Description

<table>
<thead>
<tr>
<th>Operation</th>
<th>Screen Display</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>Press the (MENU) button inside the cover.</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><img src="menu-screen.png" alt="Menu Screen Display" /></td>
<td>* This adjustment can be made regardless of whether the **button is ON/OFF.</td>
</tr>
<tr>
<td>2</td>
<td><strong>Press the (ENTER) button.</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><img src="set-clock-screen.png" alt="Set clock Screen Display" /></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td><strong>1) Use the ( buttons to reset the clock.</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>2) Press the (ENTER) button to complete the clock setting.</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><img src="set-clock-screen.png" alt="Set clock Screen Display" /></td>
<td>* The time changes in 1-minute increments with each press of the button, and then in 10-minute increments if the button is kept pressed down.</td>
</tr>
<tr>
<td></td>
<td><img src="set-complete-screen.png" alt="Set complete Screen Display" /></td>
<td>* If the display is left untouched for approximately 20 seconds without pressing the **button, the setting will be completed. When the **button is turned ON, the home screen will be restored.</td>
</tr>
</tbody>
</table>

---

* In the event of a power outage or after disconnecting power to the water heater, when power is restored, the clock on the display screen will show "- : - - " and the clock will need to be reset.
* Normally, when the **button is turned OFF, the clock display disappears, but it is possible to display the clock when the **button is turned OFF by changing a setting. (☞P15)
For All Systems

Using the Water Heater

* If System [Tank] is displayed, hot water will be discharged at the temperature of the storage tank.

<table>
<thead>
<tr>
<th>Operation</th>
<th>Screen Display</th>
<th>Description</th>
</tr>
</thead>
</table>
| **1** | ![Image](ons.png) button is "ON". | **For systems with recirculation operation, is displayed here.**  

<table>
<thead>
<tr>
<th>Temp</th>
<th>110°F</th>
<th>10:15</th>
<th>Check</th>
<th>(Ex.: 110°F)</th>
</tr>
</thead>
</table>
| *The [ON/OFF] indicator is lit.*  
| *The previously set hot water supply temperature is shown.*  
| [For systems with recirculation operation]  
| *If you set the [ON/OFF] button to "ON", recirculation operation is automatically started.*  
| *The setting temperature displayed may vary from the actual temperature at the fixture depending on conditions such as season or length of piping.* |
| **2** | ![Image](hotwater.png) Turn on hot water. | ![Image](litcomb.png) Lit during combustion  

<table>
<thead>
<tr>
<th>Temp</th>
<th>110°F</th>
<th>10:15</th>
<th>Check</th>
<th>(Ex.: 110°F)</th>
</tr>
</thead>
</table>
| **Turn off the hot water** | ![Image](offwater.png) Turn off hot water. | ![Image](unlitcomb.png) Unlit  

<table>
<thead>
<tr>
<th>Temp</th>
<th>110°F</th>
<th>10:15</th>
<th>Check</th>
<th>(Ex.: 110°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>During operation, the symbol may be continuously lit.</em></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DANGER**

- **High Temperature**

To prevent scalding:

- Hot Water Heater temperatures over 125°F (52°C) can cause severe burns instantly or death from scalding.

- Children, disabled and elderly are at the highest risk of being scalded.  
Feel water temperature before bathing or showering.  
Temperature limiting valves are available, ask a professional person.

- When setting the unit to 125°F / 55°C (131°F) or higher, “Hi temp” will flash for 10 seconds and emit a tone as a high temperature warning.

- Take caution when using the unit again after setting to 125°F (52°C) or higher. Always check the set temperature before use.

- Do not allow anyone to change the water temperature while hot water is running.
### Setting Hot Water Temperature

**1.** The indicator is lit.

- The previously set hot water supply temperature is shown.

- The ON/OFF button is "ON".

<table>
<thead>
<tr>
<th>Temp</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>110°F 10:15</td>
<td>* The indicator is lit. * The previously set hot water supply temperature is shown. (Ex.: 110°F)</td>
</tr>
</tbody>
</table>

**2.** Set the temperature using the buttons inside the cover.

<table>
<thead>
<tr>
<th>Temp</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>105°F 10:15</td>
<td>* The indicator is lit. * The previously set hot water supply temperature is shown. (Ex.: 105°F)</td>
</tr>
</tbody>
</table>

### DANGER

To prevent scalding:

- High Temperature

- Children, disabled and elderly are at the highest risk of being scalded. Feel water temperature before bathing or showering. Temperature limiting valves are available, ask a professional person.

- When setting the unit to 125°F / 55°C (131°F) or higher, "Hi temp" will flash for 10 seconds and emit a tone as a high temperature warning.

- Take caution when using the unit again after setting to 125°F (52°C) or higher. Always check the set temperature before use.

- Do not allow anyone to change the water temperature while hot water is running.
Temperature Setting Options

For residential products beginning with the prefix "NR" :

- **When using °F mode:**
  - The temperature settings below are examples. The temperature setting necessary depends on the usage, the length of piping and the time of year.
  - The maximum output temperature can be set using the remote controller. (p.15)

<table>
<thead>
<tr>
<th>°F</th>
<th>°F</th>
<th>°F</th>
<th>°F</th>
<th>°F</th>
<th>°F</th>
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<th>°F</th>
<th>°F</th>
<th>°F</th>
<th>°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>105</td>
<td>110</td>
<td>115</td>
<td>120</td>
<td>125</td>
<td>130</td>
<td>135</td>
<td>140</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

  *Washing dishes, etc.*
  *Shower, hot water supply, etc.*
  *High temperature*

  *Initial factory setting is 110°F*

- **When using °C mode:**
  - The temperature settings below are examples. The temperature setting necessary depends on the usage, the length of piping and the time of year.

<table>
<thead>
<tr>
<th>°C</th>
<th>°C</th>
<th>°C</th>
<th>°C</th>
<th>°C</th>
<th>°C</th>
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</tr>
</thead>
<tbody>
<tr>
<td>37</td>
<td>38</td>
<td>39</td>
<td>40</td>
<td>41</td>
<td>42</td>
<td>43</td>
<td>44</td>
<td>45</td>
<td>46</td>
<td>47</td>
<td>48</td>
<td>50</td>
<td>55</td>
<td>60</td>
<td>65</td>
</tr>
</tbody>
</table>

  *Washing dishes, etc.*
  *Shower, hot water supply, etc.*
  *High temperature*

  *Initial factory setting is 40°C (104°F)*

If fixtures incorporate mixing valves, set the temperature higher than usual.

- For applications that occasionally require a higher temperature setting, locate the remote controller in a convenient location.
- Consult local codes for minimum operating temperatures.

For commercial products beginning with the prefix "NC" :

- **When using °F mode:**
  - The temperature settings below are examples. The temperature setting necessary depends on the usage, the length of piping and the time of year.

<table>
<thead>
<tr>
<th>°F</th>
<th>°F</th>
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<th>°F</th>
<th>°F</th>
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<th>°F</th>
<th>°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>105</td>
<td>110</td>
<td>115</td>
<td>120</td>
<td>125</td>
<td>130</td>
<td>135</td>
<td>140</td>
<td>145</td>
<td>150</td>
<td>155</td>
<td>160</td>
<td>170</td>
<td>185</td>
<td></td>
</tr>
</tbody>
</table>

  *Washing dishes, etc.*
  *Shower, hot water supply, etc.*
  *High temperature*

  *Initial factory setting is 110°F*

- **When using °C mode:**
  - The temperature settings below are examples. The temperature setting necessary depends on the usage, the length of piping and the time of year.

<table>
<thead>
<tr>
<th>°C</th>
<th>°C</th>
<th>°C</th>
<th>°C</th>
<th>°C</th>
<th>°C</th>
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<td>44</td>
<td>45</td>
<td>46</td>
<td>47</td>
<td>48</td>
<td>50</td>
<td>55</td>
<td>60</td>
<td>65</td>
</tr>
</tbody>
</table>

  *Washing dishes, etc.*
  *Shower, hot water supply, etc.*
  *High temperature*

  *Initial factory setting is 40°C (104°F)*

If fixtures incorporate mixing valves, set the temperature higher than usual.

- *These settings are only available on commercial products.*

- For applications that occasionally require a higher temperature setting, locate the remote controller in a convenient location.
- Consult local codes for minimum operating temperatures.

- Hot water temperatures shown are approximate and may differ from the actual temperature at the fixture depending on external factors such as the season and length of piping in the system.
- When low temperatures are set (for washing dishes, etc.), if the incoming water temperature is already quite high, it may be difficult to ensure the outgoing water temperature is as per the setting.
- Please check the temperature displayed before using any hot water. Be especially careful using hot water after the set temperature has been changed.
- When the hot water temperature is adjusted using thermostat controlled water mixing valves, set the temperature on the remote controller approximately 20°F (10°C) higher than the required temperature to ensure the appropriate fixture temperature.
Set the time to turn "ON" or "OFF" the button automatically

<table>
<thead>
<tr>
<th>Operation</th>
<th>Screen Display</th>
<th>Description</th>
</tr>
</thead>
</table>

This example describes setting the "ON time" and "OFF time" to 10:00 am and 8:00 pm, respectively.

**Preparation**

1. Check that the current time is properly set. (Setting the time P.8)
2. Check the button is set to "OFF".

1) **Press the button inside the cover,** Select "Set PROG" using the buttons.
2) **Press the button.**

1) **Set the ON time to "AM10:00" using the buttons.**
2) **Press the button to complete the setting.**

1) **Set the OFF time to "PM8:00" using the buttons.**
2) **Press the button to complete the setting.**

---

* If you set the time to turn "ON" or "OFF" the button, the button is automatically turned "ON" or "OFF" at the set time every day by just turning the button "ON".
* It is also possible to set only “ON” or “OFF” operation.
* For recirculation systems, circulation is started or stopped according to the button condition, "ON" or "OFF".

* You can set the time regardless if the button is "ON" or "OFF".
* The previously set "Start time" and "End time" are displayed.

* The time changes in 10-minute increments with each press of the button, and then in 1-hour increments if the button is kept pressed down.
* If the previous setting is OK, press the button without setting "Start time".
* If you do not want to set the "Start time", select "- : --" (located between AM 11:50 and PM 0:00 settings).

* The time changes in 10-minute increments with each press of the button, and then in 1-hour increments if the button is kept pressed down.
* If the previous setting is OK, press the button without setting "End time".
* If you do not want to set the "End time", select "- : --" (located between AM 11:50 and PM 0:00 settings).
Operation

Hint for operation Following this procedure allows for automated control of water heater operation without user interaction.

* The setting time shown on the display of the remote controller is for example purposes only.

Ex. 1: Both "ON" and "OFF" functions are automated.

Ex. 2: Only "ON" function is automated.

Ex. 3: Only "OFF" function is automated.

Operation Screen Display Description

Check "Set" is selected, and then press button to confirm all settings.

Set complete

* If you do not press button, the time setting is not completed.

* If you want to change "ON/OFF time", select "Reset" and then press the button, return to step 2.

Activate Automatic Operation

Operation Screen Display Description

button is "ON".

Start AM 10:00 ~ End PM 8:00

(Display Example)

* You can activate automatic operation regardless if the button is "ON" or "OFF".

* indicator is lit when activated.

* "Start time" and "End time" will be displayed upon activation.

* If both the "Start time" and "End time" are set to "- : --", the alarm sounds "Pi Pi Pi" and is displayed.

To Deactivate Automatic Operation

button is "OFF".

* The indicator is unlit.

* If the button is not set to "OFF", the water heater will automatically turn "ON" or "OFF" at the set times.

* If there is a power failure or power is disconnected to the water heater, automatic operation will be deactivated.
Locking the Remote Controller

By locking the remote controller, the settings cannot be accidentally changed if a button is pressed by mistake.

Cover shown in the open position.

### For All Systems

#### Locking the Remote Controller

**By locking the remote controller, the settings cannot be accidentally changed if a button is pressed by mistake.**

**Cover shown in the open position.**

#### Operation

1. **Press and hold** button for approximately 2 seconds to lock the remote controller.

   * The operation can be locked regardless if the button is "ON" or "OFF".
   * The operations of , and buttons are locked.
   * Approximately 3 seconds after locking the remote controller, the display will return to the previous screen.

   If you press these buttons while the remote controller is locked, the “Locked” screen will appear.

   * Approximately 3 seconds after the "locked" screen appears, the display will return to the previous screen.

### Operation Screen Display

**Description**

- **Lock complete**
  
  [ PROG ]  
  [ MENU ]
  [ Temp ]

- **Locked**
  
  [ PROG ]
  [ MENU ]
  [ Temp ]

### To Unlock the Remote Controller

Press and hold button for approximately 2 seconds to unlock the remote controller.

* Approximately 3 seconds after unlocking the remote controller, the display will return to the previous screen.
Customizable Settings <Misc settings> -1

Adjusting the Maximum Output Temperature.
The maximum output temperature can be limited to prevent discharging hot water at too high of a temperature.

1. Press the ON/OFF button inside the cover, Select Misc settings using the buttons.
2. Press the button.
The "Misc settings" screen appears.
3. Select Max set temp using the buttons, and then press the button.
4. Change the setting using the buttons.

Max set temp

\[
\begin{align*}
\text{[140°F]} \\
\text{(Ex: 140°F)}
\end{align*}
\]

The maximum temperature setting differs by product, refer to P11.

Setting completed

To change other settings, select the option and press the button.
To return to the home screen, press the button or let it sit for approximately 20 seconds.

Display Screen Power Saving Mode [powersave dsply]
To conserve power consumption by the display, it can be turned off completely or set to only display the clock when the power ON/OFF button is turned “OFF”.

1. Press the button inside the cover, Select Misc settings using the buttons.
2. Press the button.
The "Misc settings" screen appears.
3. Select Powersave dsply using the buttons, and then press the button.
4. Change the setting using the buttons.

Powersave dsply (Clock hidden)

\[
\begin{align*}
\text{[No-1]} \\
\text{(Ex: No-1)}
\end{align*}
\]

Yes: the display will turn off and the clock will not be displayed when the power ON/OFF button is turned "OFF".
No-1: the display will not turn off and the clock will not be displayed when the power ON/OFF button is turned “OFF”.
No-2: the display will not turn off and the clock is displayed when the power ON/OFF button is turned "OFF".

(Default setting=No-1)

Setting completed
Customizable Settings <Misc settings> -2

Adjusting the brightness of the display screen when the remote controller is turned on.

The display screen can be brightened or darkened or the backlight can be turned off completely.

1. Press the button inside the cover, Select Misc settings using the buttons.
   Press the button.
   The "Misc settings" screen appears.

2. Select Brightness using the buttons, and then press the button.

3. Change the setting using the buttons.

   Brightness
   [ Normal ]
   (Ex: Normal)

   [ Dark / Dim / Normal / Bright ]
   (Default setting=Normal)

   Setting completed

Muting the remote controller.

The remote controller can be muted so that it does not emit a tone when a button is pressed.

1. Press the button inside the cover, Select Misc settings using the buttons.
   Press the button.
   The "Misc settings" screen appears.

2. Select Touch sound using the buttons, and then press the button.

3. Change the setting using the buttons.

   Touch sound
   [ Yes ]
   (Ex: Yes)

   Yes / No
   (Default setting=Yes)

   Setting completed

Error Tone Settings.

The remote controller can be muted so that it does not emit a tone when an error occurs.

1. Press the button inside the cover, Select Misc settings using the buttons.
   Press the button.
   The "Misc settings" screen appears.

2. Select Error alarm using the buttons, and then press the button.

3. Change the setting using the buttons.

   Error alarm
   [ Yes ]
   (Ex: Yes)

   Yes / No
   (Default setting=Yes)

   Setting completed

To change other settings, select the option and press the button.

To return to the home screen, press the button or let it sit for approximately 20 seconds.
Draining the Water Heater.

(Refer to "Preventing Damage from Freezing" as shown in the Owner's Guide provided with the water heater.)

1. **ON/OFF** button is "OFF".

2. Press the **MENU** button inside the cover, Select **Misc settings** using the **△** buttons. Press the **ENTER** button. The "Misc settings" screen appears.

3. Select **Drain water** using the **△** buttons, and then press the **ENTER** button.

4. Select "YES" using the **△** buttons.

Press the **ENTER** button.

Follow the drain procedures in the manual.

Drain the water heater following the procedures described in the Owner's Guide provided with the water heater.

To stop draining water from the water heater

If you press the **ON/OFF** button again when "Drain water" and "Operating" are alternately displayed following steps 2 to 3, the drain function will stop.

---

Restoring Default Settings.

Select settings can be restored to the factory default conditions. See items marked with a ★ in the "Default Settings" section (☞ P27).

1. **ON/OFF** button is "OFF".

2. Press the **MENU** button inside the cover, Select **Misc settings** using the **△** buttons. Press the **ENTER** button. The "Misc settings" screen appears.

3. Select **Default all settings** using the **△** buttons, and then press the **ENTER** button.

4. Select "YES" using the **△** buttons.

Press and hold the **ON/OFF** button for approximately 5 seconds.

--- Setting completed ---

To change other settings, select the option and press the **ENTER** button.

To return to the home screen, press the **MENU** button or let it sit for approximately 20 seconds.
Disabling Automatic Recirculation Operation

<table>
<thead>
<tr>
<th>Operation</th>
<th>Screen Display</th>
<th>Description</th>
</tr>
</thead>
</table>
| 1) Press the **button inside the cover, Select "Recirc menu" using the **buttons. | **Menu**  
Set clock  
Set PROG  
Recirc menu  
**Recirc Menu**  
Recirc ON/OFF  
Recirc on/off  
Recirc timer | * This adjustment can be made regardless of whether the **button is ON/OFF. |
| 2) **button. | **Synchro ON/OFF**  
[ ] Yes | |
| 3) **button. | **Synchro ON/OFF**  
[ ] No | * If the display is left untouched for approximately 20 seconds without pressing the **button, the setting will be completed, and when the **button is turned ON, the home screen will be restored. |
| 2) **button. | Set complete | |

The screen returns to the previous screen.
# Manually Stopping Recirculation Operation

Recirculation operation can be manually stopped or started using this procedure.

Cover shown in the open position.

<table>
<thead>
<tr>
<th>Operation</th>
<th>Screen Display</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1) Press the MENU button inside the cover, Select &quot;Recirc menu&quot; using the buttons.</td>
<td>1) Menu</td>
<td>* You can set this function if the button is &quot;ON&quot;.</td>
</tr>
<tr>
<td>2) Press the ENTER button.</td>
<td>2) Recirc Menu</td>
<td></td>
</tr>
<tr>
<td></td>
<td>[Recirc on/off]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>[Recirc timer]</td>
<td></td>
</tr>
</tbody>
</table>

**Display when the recirculation is set to "ON"**

<table>
<thead>
<tr>
<th>Operation</th>
<th>Screen Display</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1) Select &quot;Recirc on/off&quot; using the buttons.</td>
<td>1) Recirc Menu</td>
<td>* If the display is left untouched for approximately 20 seconds without pressing the button, the setting will be completed.</td>
</tr>
<tr>
<td>2) Press the ENTER button.</td>
<td>2)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stopping recirc operation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The screen returns to the previous screen.</td>
<td></td>
</tr>
</tbody>
</table>

**Display when recirculation is set to "OFF"**

* Even if recirculation is set to "OFF", recirculation operation is restarted by either turning the button "ON", when the water heater is turned ON automatically (P12) or when the recirculation timer (P20) is active.
With the recirculation operation timer set, hot water will be automatically circulated in the hot water pipes. Even with this function activated, it may take several minutes for hot water to be completely circulated through the plumbing system. Set the timer to activate the recirculation system prior to the first use of hot water to ensure hot water is instantly available.

* Multiple recirculation time periods can be set.
* Until the timer is deactivated (P21), the recirculation system will operate daily at the set times.
* When the recirculation system is turned “OFF” by the timer, the water heater will still remain “ON” and can be used normally.

**This example describes setting the recirculation system to operate between 5:00 am - 8:00 am.**

### Preparation
Check that the current time is properly set.
(Setting the time P.8)

1. **1) Press the **button inside the cover, Select “Recirc menu” using the **buttons.**
2. **Press the **button.**

2. **1) Select “Recirc timer” using the **buttons.**
2) Press the **button.**

3. **1) Select “AM5:00” using the **buttons.**
2) Press the **button to complete the “Start” time setting.**

* You can set the timer regardless if the **button is “ON” or “OFF”.

* The previous setting is displayed.

* Every time when you press the button, the time changes by one hour.

**To keep the current “Start” time**
Press the **button without changing the “Start” time, and proceed to step 4.

**To add additional time periods to the current setting, or to cancel the previous setting**
1. **Press the **button without setting “Start” time.
2) Press the **button without setting “End” time.
3) Follow the procedures “Adding Additional Time Periods” or “Resetting All Time Periods” (P21).
### Operation Timer

<table>
<thead>
<tr>
<th>Operation</th>
<th>Screen Display</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>4</strong>&lt;br&gt;1) Select &quot;AM8:00&quot; using the buttons.&lt;br&gt;2) Press the button to complete the “End” time setting.</td>
<td><img src="image" alt="Screen Display" /></td>
<td>* Every time when you press the button, the time changes by one hour. <a href="image">Here</a> &lt;br&gt;Press the button without changing the “End” time, and proceed to step 5.</td>
</tr>
<tr>
<td><strong>Adding Additional Time Periods</strong>&lt;br&gt;1) Select &quot;Add&quot; using the buttons.&lt;br&gt;2) Press the button. 3) Select the time period following the procedures in Steps 3 to 4.&lt;br&gt;&lt;br&gt;<strong>&lt;Adding Additional Time Periods&gt;</strong>&lt;br&gt;1) Select &quot;Add&quot; using the buttons.&lt;br&gt;2) Press the button. 3) Select the time period following the procedures in Steps 3 to 4.</td>
<td><img src="image" alt="Screen Display" /></td>
<td>* You can set multiple operation time periods.</td>
</tr>
<tr>
<td><strong>5</strong>&lt;br&gt;Press the button to complete the time settings.</td>
<td><img src="image" alt="Screen Display" /></td>
<td>* The timer will not activate without pressing the button. &lt;br&gt;* If the time is not set, the time setting screen is displayed (P8). &lt;br&gt;* Until the timer is deactivated, the recirculation system will operate daily at the set “Start” and “End” times.</td>
</tr>
</tbody>
</table>

**To Cancel the Recirculation System Operation Timer**

1) Carry out steps 1 to 2. 2) Select "Cancelled" using the buttons. 3) Press the button. | ![Screen Display](image) | * If the button is "ON", the screen returns to the home screen in approximately 10 seconds. <br>* If the timer is deactivated during a recirculation time period, recirculation will continue until it is stopped using the procedure shown on P19.
If the flow meter alarm is being used to indicate when a tub is full:
- If any hot water is being used besides what is going into the tub, the alarm will sound before the tub is full.
- If there was water in the tub before the fill began, or if the water is not shut off manually when the alarm sounds, the tub may overflow.
- If there was water in the tub before the fill began, the temperature in the tub after it is full may be different from the temperature setting.

### Preparation
1. Confirm that the stopper is closed.
2. Close the lid.
   * Open the lid closest to the spout to allow for filling.

(Example of bathtub filled with hot water.)

### Operation
1. **ON/OFF** button is "ON".
   - Temp: 110°F
   - Check: 7:00 (Ex: Home screen)
   - * The **ON/OFF** indicator is lit.
   - * The current setting temperature is displayed.

2. 1) Press the **MENU** button inside the cover, Select "Flow meter" using the **↑** buttons.
   2) Press the **ENTER** button.
   - * The current hot water filling volume is displayed.

3. Adjust the Flow Meter Alarm volume setting
   1) Change the volume with your desired hot water volume.
   2) Press the **ENTER** button.
   - * The set hot water volume will be stored in memory.
   - * The screen returns to the home screen.
   - * If the display is left untouched for approximately 20 seconds without pressing the **ENTER** button, the setting will be completed and the home screen will be restored.

### Screen Display

<table>
<thead>
<tr>
<th>Description</th>
<th>Screen Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Confirm that the stopper is closed.</td>
<td></td>
</tr>
<tr>
<td>2) Close the lid.</td>
<td></td>
</tr>
<tr>
<td>* Open the lid closest to the spout to allow for filling.</td>
<td></td>
</tr>
<tr>
<td><strong>ON/OFF</strong> button is &quot;ON&quot;.</td>
<td><img src="image" alt="Temperature Screen" /></td>
</tr>
<tr>
<td>1) <strong>MENU</strong> button inside the cover, Select &quot;Flow meter&quot; using the <strong>↑</strong> buttons.</td>
<td><img src="image" alt="Flow Meter Menu" /></td>
</tr>
<tr>
<td>2) Press the <strong>ENTER</strong> button.</td>
<td><img src="image" alt="Flow Meter Setting" /></td>
</tr>
<tr>
<td>Adjust the Flow Meter Alarm volume setting</td>
<td><img src="image" alt="Flow Meter Setting" /></td>
</tr>
<tr>
<td>1) Change the volume with <strong>↑</strong> to your desired hot water volume.</td>
<td><img src="image" alt="" /></td>
</tr>
<tr>
<td>2) Press the <strong>ENTER</strong> button.</td>
<td><img src="image" alt="Set complete" /></td>
</tr>
</tbody>
</table>

### Fill Volume Options

<table>
<thead>
<tr>
<th>(gal)</th>
<th>(L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>380</td>
</tr>
<tr>
<td>15</td>
<td>340</td>
</tr>
<tr>
<td>20</td>
<td>300</td>
</tr>
<tr>
<td>25</td>
<td>260</td>
</tr>
<tr>
<td>30</td>
<td>220</td>
</tr>
<tr>
<td>35</td>
<td>180</td>
</tr>
<tr>
<td>40</td>
<td>160</td>
</tr>
<tr>
<td>45</td>
<td>140</td>
</tr>
<tr>
<td>50</td>
<td>120</td>
</tr>
<tr>
<td>55</td>
<td>100</td>
</tr>
<tr>
<td>60</td>
<td>80</td>
</tr>
<tr>
<td>70</td>
<td>60</td>
</tr>
<tr>
<td>80</td>
<td>40</td>
</tr>
<tr>
<td>90</td>
<td></td>
</tr>
<tr>
<td>100</td>
<td></td>
</tr>
<tr>
<td>Alarm off</td>
<td></td>
</tr>
</tbody>
</table>
4 Turn on hot water.

When the bathtub fills with the preset volume of water, an alarm will sound alerting you to shut off the water.

Turn off the hot water when the alarm sounds to prevent overfilling.

5 * Why doesn’t the flow meter alarm sound even if the bathtub is filled with water? (P24)
   * The alarm will continue to sound even if the button is pressed.

Hot Water Filling Temperature Options

<table>
<thead>
<tr>
<th>°F</th>
<th>°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>37</td>
</tr>
<tr>
<td>105</td>
<td>38</td>
</tr>
<tr>
<td>110</td>
<td>39</td>
</tr>
<tr>
<td>115</td>
<td>40</td>
</tr>
<tr>
<td>120</td>
<td>41</td>
</tr>
</tbody>
</table>

* Although the temperature can be set to 125°F / 50°C or higher, do not set the temperature to 125°F / 50°C or higher as it can cause severe burns instantly or death from scalding.

* The hot water filling temperature is the same as the setting temperature.

* The setting temperature displayed may vary from the actual temperature at the fixture depending on conditions such as season or length of piping.
Troubleshooting

This section only covers issues with the remote controller. To diagnose issues with the water heater, consult the Owner’s Guide supplied with the water heater.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Cause</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>The power ON/OFF indicator does not light up</td>
<td>There has been a power failure.</td>
<td>Wait for power to be restored.</td>
</tr>
<tr>
<td></td>
<td>The power plug is disconnected.</td>
<td>Check the power plug.</td>
</tr>
<tr>
<td>The clock display shows &quot;- : - -&quot;</td>
<td>If the time is not displayed on the clock, either a power failure has occurred</td>
<td>Set the clock again.</td>
</tr>
<tr>
<td></td>
<td>or power was disconnected resulting in the display showing &quot;+ : - -&quot;.</td>
<td></td>
</tr>
<tr>
<td>The flow meter alarm does not sound or it sounds before the bathtub has</td>
<td>The flow meter alarm is set to sound when hot water is continuously discharged</td>
<td>An error has not occurred.</td>
</tr>
<tr>
<td>been filled to the set amount.</td>
<td>for the set volume of water.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>If hot water is used for other fixtures while filling the bath tub, the alarm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>will sound before the tub is full.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>If mixing valves are used, or if cold water is mixed with hot water at the</td>
<td>An error has not occurred.</td>
</tr>
<tr>
<td></td>
<td>fixture, the tub will fill more than the setting of the flow meter alarm.</td>
<td></td>
</tr>
<tr>
<td>The setting cannot be changed when a button is pressed.</td>
<td>The remote controller is locked.</td>
<td>Unlock the remote controller.</td>
</tr>
<tr>
<td></td>
<td>While the remote controller is locked these buttons cannot be used.</td>
<td></td>
</tr>
<tr>
<td>[For recirculation systems] Flame symbol &lt;秀丽&gt; lights up or goes out</td>
<td>During recirculation operation, the water heater will turn on and off to keep</td>
<td>An error has not occurred.</td>
</tr>
<tr>
<td></td>
<td>the hot water pipes up to temperature.</td>
<td></td>
</tr>
</tbody>
</table>
Checking for Error Conditions

When a failure occurs, information relating to the error blinks on the display. The error alarm may also continuously sound. For additional details on the cause of the error displayed, refer to the “Troubleshooting” section in the Owner’s Guide provided with the water heater.

Error Code Display Screen

The display may indicate the type of failure that has occurred depending on the system configuration.

To Stop the Error Alarm

Press the button (the indicator will turn off).
Follow-up Service

Requesting Service

* Service and warranty periods are based on the type of product and the application type. Refer to the Limited Warranty provided with the water heater for complete details.
* Refer to the "Troubleshooting" section in this manual as well as the Owner’s Guide supplied with the water heater. If the problem is not corrected, contact Noritz America Technical Support at 866-766-7489.

● If an error code is displayed, the model name and code can be checked ●

![Example Error Code]

* If more than one water heater is installed, this procedure cannot be used.

<table>
<thead>
<tr>
<th>Operation</th>
<th>Screen Display</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong> Press the <code>ENTER</code> button.</td>
<td><img src="image" alt="Model Screen Display" /></td>
<td>Model name and code of water heater is displayed</td>
</tr>
</tbody>
</table>

- If an error code is displayed, the model name and code can be checked.

<table>
<thead>
<tr>
<th>Operation</th>
<th>Screen Display</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2</strong> <code>ENTER</code> button is pushed again.</td>
<td><img src="image" alt="Screen Display" /></td>
<td>* If the display is left untouched for approximately 60 seconds, it will return to the previous screen.</td>
</tr>
</tbody>
</table>

- If more than one water heater is installed, this procedure cannot be used.

● Press the `STATUS` button to check the status of the system ●

<table>
<thead>
<tr>
<th>Operation</th>
<th>Screen Display</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong> Press the <code>STATUS</code> button inside the cover.</td>
<td><img src="image" alt="System Status Screen" /></td>
<td>System [Rc] Active [04] Units [06] Pump1 [OFF] Online [04] Pump2 [ON]</td>
</tr>
</tbody>
</table>

- Status can be checked regardless of whether the `ON/OFF` button is ON/OFF.
- If the `OFF` button is pushed or it is left untouched for approximately 10 minutes, it will return to the previous screen.

● Identifying units that require service (system dependent) ●

<table>
<thead>
<tr>
<th>Operation</th>
<th>Screen Display</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Press the <code>STATUS</code> button twice inside the cover.</td>
<td><img src="image" alt="Error Unit Screen" /></td>
<td>Error Unit</td>
</tr>
</tbody>
</table>

- If you press the `BACK` button, the screen of step 1 is displayed.
- If you press the `STATUS` button, the screen returns to the previous screen.
# Default Settings

<table>
<thead>
<tr>
<th>Items</th>
<th>Default setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clock display (unset)</td>
<td>:---:</td>
</tr>
<tr>
<td>Hot water temperature</td>
<td>110°F / 40°C</td>
</tr>
<tr>
<td>Hot water volume</td>
<td>alarm off</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Customizable Settings (P15 - 17)</th>
<th>Default setting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Output Temperature</td>
<td>120°F / 50°C</td>
</tr>
<tr>
<td></td>
<td>(Residential products begin with the prefix &quot;NR&quot;)</td>
</tr>
<tr>
<td></td>
<td>185°F / 85°C</td>
</tr>
<tr>
<td></td>
<td>(Commercial products begin with the prefix &quot;NC&quot;)</td>
</tr>
<tr>
<td>&quot;Powersave ds ply&quot; and clock display</td>
<td>No-1</td>
</tr>
<tr>
<td>Brightness of the display screen when</td>
<td>Normal</td>
</tr>
<tr>
<td>the remote controller is turned on.</td>
<td></td>
</tr>
<tr>
<td>Operation sound of remote controller</td>
<td>Yes</td>
</tr>
<tr>
<td>Notification when a failure is generated</td>
<td>Yes</td>
</tr>
</tbody>
</table>

★ Indicates an item that can be restored to default.
See P17 "Restoring Default Settings".