

Proper usage R331S

Turn the boiler On/Off

1 The boiler is operated when the controller power button is turned on.



2 After turning on the power button, the lamp for On-Dol or SPACE HEATING comes on when the jog shuttle is turned.



3 The power is turned off when the power button is pushed once more.

The space heating function is divided into two modes. (Indoor/ On-Dol)

■ INDOOR HEATING

- In indoor heating, the thermo sensor which inserted in the controller keeps the indoor temperature warmed regularly by checking the space temperature. The heating is operated when user set the desired temperature. The product is set to Indoor heating mode basically.

※ The space heating mode is recommended in the following environments.

- In the case the controller is installed in a place where affected by an outside wind or the case the product is installed nearby a door which people use it frequently.
- In the case the controller is installed to a place where the sunlight doesn't come in.
- In the case the controller is installed to a place where is free from electronic device's effect.

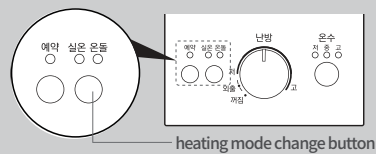
■ ON-DOL Heating

- In On-Dol heating is the mode that the boiler confirms the outlet water temperature and adjusts the floor temperature. User operate the boiler by adjusting the hot water temperature.

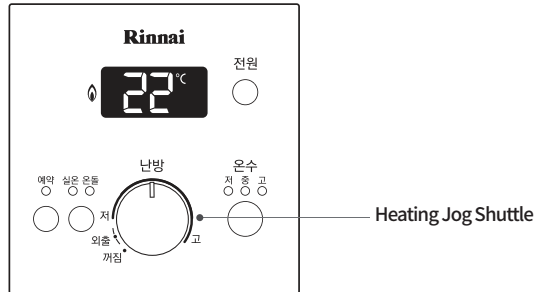
※ The On-Dol mode is recommended in the following environments.

- In the case the controller is installed in a place where affected by an outside wind or where nearby a door which people use it frequently.
- In the case the controller is installed to a place where the sunlight come in or a place of high humidity.
- In the case the controller is installed to a place where is under electronic device's effect.

■ Please select the “heating mode change” for changing the heating mode.



ADJUSTING HEATING TEMPERATURE



1 Please spin the Heating Jog Shuttle to Low to High section.

- When it is turned off, the heating doesn't operate.

2 Please adjust the heating temperature from Low to High by spinning the jog shuttle little by little.

- The boiler doesn't operate if the current temperature is higher than the adjusted temperature.
- For deactivating the operation, Please select "Turn off" mode or push the Power button.
- In On-Dol mode, the adjusted temperature information is showing on the display when the heating is operated.
- The lamp for Indoor/On-Dol is off when the shuttle is turned to "heating off"

The temperature display when it is set in Indoor mode.



(The temperature setting is available from 5°C to 40°C)

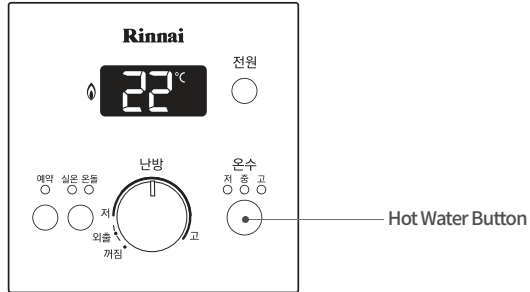
The temperature display when it is set in On-Dol mode.



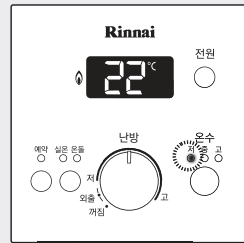
(The temperature setting is available from 40°C to 85°C)

- ※ After adjusting the desired temperature, the current temperature is displayed in indoor mode. In On-Dol mode, the adjusted temperature is displayed.

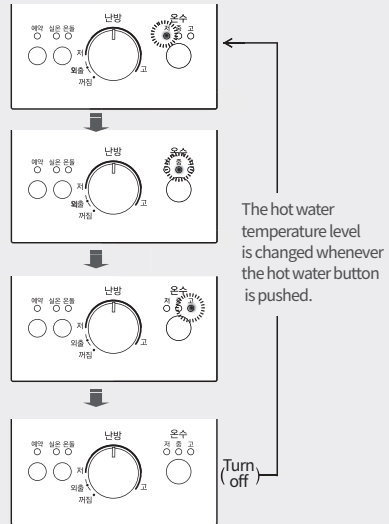
ADJUSTING HOT WATER TEMPERATURE



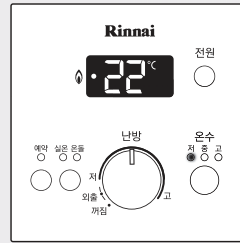
- 1 Turn the Hot water button on.
 - Hot water lamp “Low” is turned on.



- 2 Please select the hot water level by the Hot water button.
 - The hot water level is changed in “Low – Middle – High – Turn-off” order when the hot water button is pushed once more.



3 When the hot water faucet is opened, after a while, Hot water comes out.

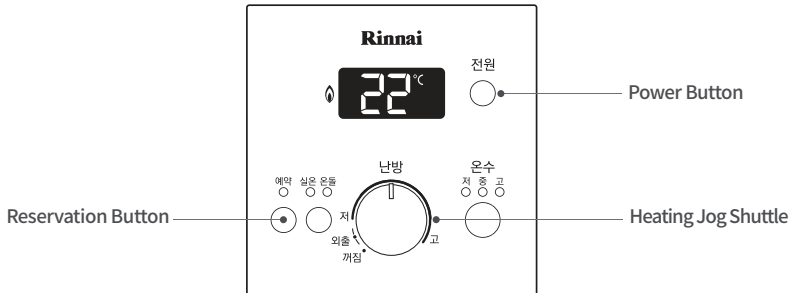


- ※ When the hot water faucet is closed, the hot water mode is not operated and doesn't consume a gas since it is a waiting mode.
- ※ If the jog shuttle is positioned between "Low" and "High" section in controller, the heating function is usable with hot water function. (However, the heating is not operated while using hot water)
- ※ The heating doesn't operate when the hot water lamp is solely turned on.
- ※ Please set the heating mode "OFF" for using the hot water solely when you don't need the heating function like summer season.



- The sudden hot water might come out and cause a burn accident when the hot water faucet is locked and released for using or the water quantity is reduced abruptly. So please be careful to do not touch it and use before confirming the water temperature.
- Adjusting temperature in "high" level while using hot water might cause a burn accident. Please be careful.

To use a reservation

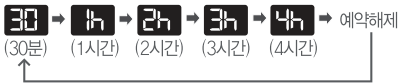


1 Please turn the power on and select the desired heating temperature by spinning the jog shuttle.

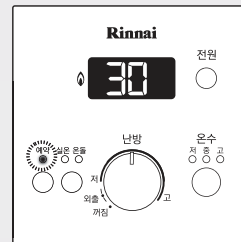
2 Please push the reservation button.

3 Please select a desired reservation time.

- Whenever pushing the reservation button, the time for adjusting is changed in the order below.

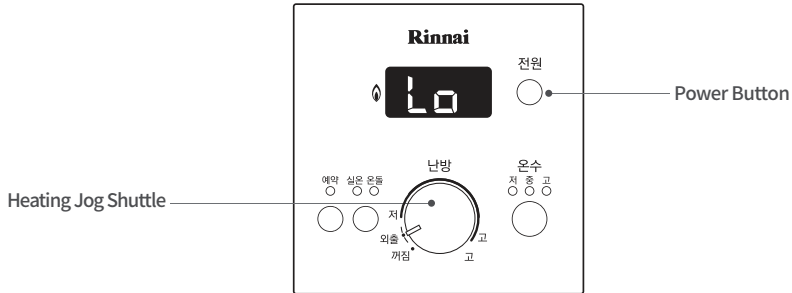


- The heating is operated in 20 minutes intervals when the reservation is selected.
Ex) when it is adjusted in 2hour reservation, the heating is operated for 20min per 2hours.
- In the reservation function, by touching the reservation button, the adjusted time is displayed and the function is un-activated if the button is pushed once more.

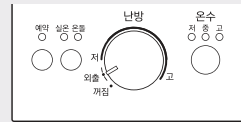


※ The reservation mode is especially useful for Intermittent heating in the season of Spring and Autumn.

Outgoing mode



1 Please turn on the power and spin the Jog shuttle to the outgoing mode.



2 Outgoing mode is activated.

- The heating is operated with a minimum heating level in 4 hours intervals to keep indoor temperature warmed.
- For deactivating the reservation mode, please spin the jog shuttle to “off” or “Heating”

■ The outgoing mode keeps the indoor temperature warmed with a minimum level heating operation.

- ※ This mode helps to save the gas consumption while outing.
- ※ The reservation and outgoing mode are not available at the same time.
If you want to choose the reservation mode, please spin the jog shuttle to “OFF”