



OWNERS'MANUAL

# REMOTE CONTROLLER

GDC-SS24RCW

- *Please read this Owner's Manual carefully before operation.*
- *Save this manual in a safe place for future reference.*

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## Remote Controller Specifications

Model	R51D/E, R51D/CE
Rated Voltage	3.0V(Alkaline dry batteries LR03×2)
Lowest Voltage of CPU Emitting Signal	2.0V
Reaching Distance Signal Range	8m (when using 3.0 voltage, it Gets 11m)
Environment	-5°C~60°C

## Introduction of Function Buttons on the Remote Controller

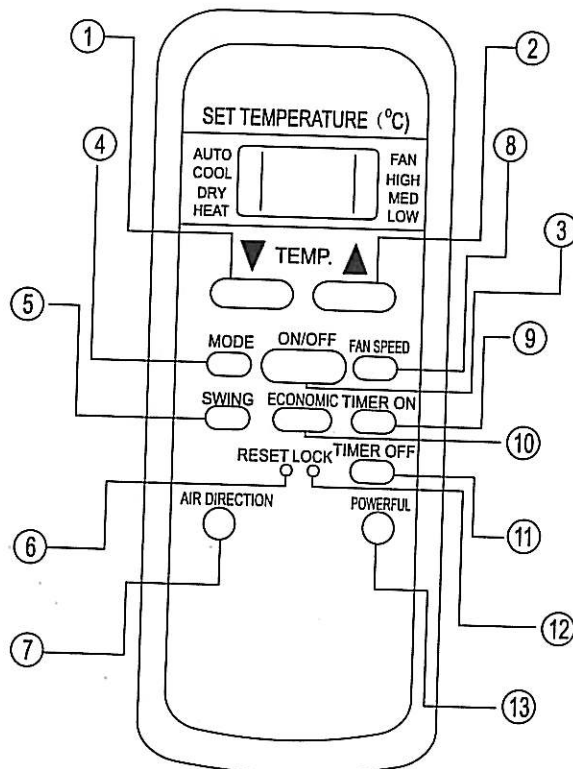
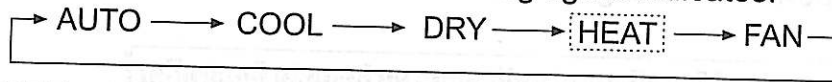


Fig. 1

- ① **TEMP Button ▼**: Press the button to decrease the indoor temperature setting.
- ② **TEMP Button ▲**: Press the button to increase the indoor temperature setting.
- ③ **ON/OFF Button**: Push this button to start the unit operation. Push the button again to stop the unit operation.
- ④ **MODE Select Button**: Each time you push the button, a mode is selected in a sequence that goes from AUTO、COOL、 DRY、 HEAT and FAN, as the following figure indicates:



▲ **NOTE**: COOL only model has no HEAT feature.

- ⑤ **SWING Button**: Push this button, the louver would swing up and down automatically. Push again to stop it .
- ⑥ **RESET Button**: When the RESET button is pushed, all of the current settings are cancelled and the control will return to the initial settings.(Use a  $\phi$  1mm little round stick to push the button )
- ⑦ **AIR DIRECTION Button**: Push this button, the louver can be fixed at a desired angle. The louver swing(upward or downward) to a certain angle for each press. When the louver swing at an angle which would affect the cooling and heating efficiency of the air conditioner, it would automatically change the swing direction (upward or downward).
- ⑧ **FAN SPEED Button**: This button is used for setting Fan Speed in the sequence that goes from AUTO、 LOW 、 MED to HIGH, then back to Auto.
- ⑨ **TIMER ON Button**: Press this button to preset the time ON(start to operate). Each press will increase the time ON setting in 30 minutes increments. When the setting time displays 10:00, each press will increase the time ON setting in 60 minutes increments. To cancel the time ON program, simply adjust the time ON to 0:00.
- ⑩ **ECONOMIC RUNNING Button**: Press this button to go into the Energy-Saving operation mode. Press the button again to cancel.
- ⑪ **TIMER OFF Button**: Press this button to preset the time OFF (turn off the operation). Each press will increase the time OFF setting in 30 minutes increments. When the setting time displays 10:00, each press will increase the time OFF setting in 60 minutes increments. To cancel the time OFF program, simply adjust the time OFF to 0:00

- ⑫ **LOCK Button:** Push this button to lock in all the current settings. To release settings, push again. (Use a  $\phi$  1mm little round stick to push this button )
- ⑬ **POWERFUL Button:** Press this button on cooling/heating mode to go into powerful cooling (heating)operation.Press again to cancel it.

**Note:** The unit will automatically revert back to the previous operational mode after continuously operating under the powerful cooling mode.

### Names and Functions of Indicators on Remote Controller

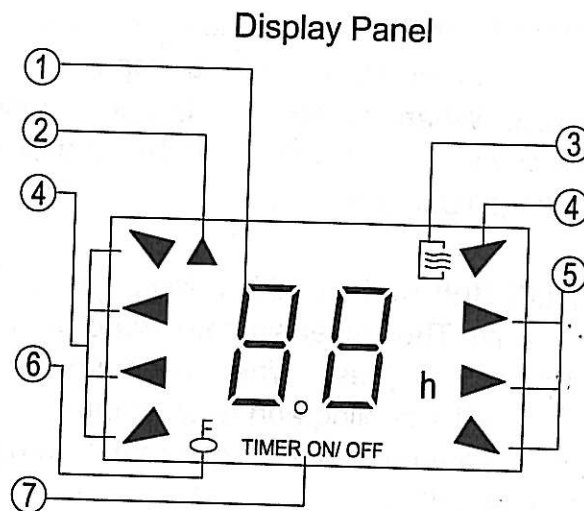


Fig. 2

- ① **DIGITAL DISPLAY area:** This area will show the temperature and, if in the TIMER mode, will show the ON and OFF settings of the TIMER. It will automatically revert back to show the temperature after 5 seconds. Under "FAN" operation mode, nothing is shown in this area.
- ② **TRANSMISSION Indicator:** This indicator flashes once when remote controller transmits signals to the indoor unit.
- ③ **ON/OFF Indicator:** This symbol appears when the unit is turned on by the remote controller, and disappears when the unit is turned off.
- ④ **OPERATION MODE Indicator:** Shows the current operation modes--"AUTO", "COOL", "DRY", "HEAT" and "FAN". HEAT only available for heat pump model.

- ⑤ **FAN SPEED Indicator:** Press the FAN SPEED button to select the desired fan speed setting (Auto-Low-Med-High). Your selection will be displayed in the LCD window except the Auto fan speed.
- ⑥ **LOCK Indicator:** This symbol appears when press the LOCK button, and disappears when press it again.
- ⑦ **TIMER ON/OFF Display:** This display area shows the settings of TIMER. That is, if only the starting time of operation is set, it will display the TIMER ON. If only the turning off time of operation is set, it will display the TIMER OFF. If both operations are set, it will show TIMER ON/ OFF which indicates you have chosen to set both the starting time and off time.

**▲ NOTE:** All signs shown in the Fig.2 is for the purpose of clear presentation. But during the actual operation only the relative functional items are shown on the display panel.

### **Operating the Remote Controller**

#### **🔑 Install/Replace Batteries**

The Remote Controller uses two alkaline dry batteries(LR03X2).

1. To install the batteries, slide the back cover of the battery compartment and install the batteries according the direction (+and -)shown on the Remote Controller.
2. To replace the old batteries, use the same method as mentioned above.

#### **🔑 AUTOMATIC OPERATION**

When the Air Conditioner is ready for use, switch on the power and the OPERATION indicator lamp on the display panel of the indoor unit starts flashing.

1. Use the MODE .select button to select AUTO.
2. Push the TEMP button to set the desired room temperature. The most comfortable temperature setting are between 21°C to 28°C.
3. Push the ON/OFF button to start the air conditioner. The OPERATION lamp on the display panel of the indoor unit lights. The operating mode is AUTO FAN SPEED is automatically set and there are no indicators shown on the display panel of the remote controller.
4. Push the ON/OFF button again to stop the unit operation.

### **▲ NOTE**

1. In the AUTO mode, the air conditioner can logically choose the mode of COOL, FAN, HEAT and DRY by sensing the difference between the actual ambient room temperature and the set temperature on the remote controller.
2. If the AUTO mode is not comfortable for you, the desired mode can be selected manually.

### **🔑 COOL/ HEAT (Cooling only model without) and FAN ONLY Operation**

1. If the AUTO mode is not comfortable, you may manually override the settings by using COOL, HEAT or FAN ONLY modes.
2. Push the TEMP button to set the desired room temperature. When in COOL mode, the most comfortable settings are 21°C or above. When in HEAT mode, the most comfortable settings are 28°C or below.
3. Push the FAN SPEED to select the FAN mode of AUTO, HIGH, MED or LOW.
4. Push the ON/OFF button, the operation lamp lights and the air conditioner start to operate as your settings. Push the ON/OFF button again to stop this unit operation.

### **▲ NOTE**

*The FAN ONLY mode can not be used to control the temperature. While in this mode, only steps 1,3 and 4 may be performed.*

### **🔑 DRY Operation**

1. Push the MODE button to select DRY.
2. Push the TEMP button to set the desired temperature from 21°C to 28°C.
3. Push the ON/OFF button, the operation lamp lights and the air conditioner start to operate in the DRY mode. FAN SPEED is Low. Push the ON/OFF button again to stop this unit operation.

### **▲ NOTE**

*Due to the difference of the set temperature of the unit and the actual indoor temperature, the Air Conditioner when in DRY mode will automatically operate many times without running the COOL and FAN mode.*

## **TIMER Operation**

TIMER ON button can set the auto-on time of the unit.. TIMER OFF button can set the auto-off time of the unit.

### **1. To set the starting time.**

- 1.1 Push the TIMER ON button, then the remote controller shows TIMER ON , the last set time for the starting operation and the signal "h" will be shown on the DIGITAL DISPLAY area. You are now ready to reset the time to START the operation.
- 1.2 Push the TIMER ON button again to set desired unit start time.
- 1.3 After setting the TIMER ON ,there will be a one-half second delay before the remote controller transmits the signal to the air conditioner. Then, after approximately another 2 seconds, the signal "h" disappears and the set temperature will re-appear on the digital display.

### **2. To set the stopping time.**

- 2.1 Push the TIMER OFF button and the remote controller will show TIMER OFF, the last set time for the stopping operation and the signal "h" will be shown on the DIGITAL DISPLAY area. You are now ready to reset the time of the STOP operation.
- 2.2 Push the TIMER OFF button again to set the time you want to stop the operation.
- 2.3 After setting the TIMER OFF ,there will be a one-half second delay before the remote controller transmits the signal to the air conditioner. Then, after approximately another 2 seconds, the signal "h" disappears and the set temperature will re-appear on the digital display.

### **3. Set the starting & stopping time**

- 3.1 Push the TIMER ON button, the remote controller will show TIMER ON, the last set time for START operation and the signal "h" will be shown on the DIGITAL display area. You are now ready to readjust the TIMER ON to start the operation.
- 3.2 Push the TIMER ON button again to set the time you want to start the operation.
- 3.3 Push the TIMER OFF button, the remote controller will show TIMER OFF, the last set time for STOP operation and the signal "h" will be shown on the DIGITAL display area. You are now ready to reset the time to STOP operation.
- 3.4 Push the TIMER OFF button again to set the time you want to stop the operation.



- 3.5 After setting the TIMER, there will be a one-half second delay before the remote controller transmits the signal to the Air Conditioner. Then , after approximately another 2 seconds, the set temperature will re-appear on the digital display .

### **Change the TIMER**

To change the TIMER ON/OFF time, just press the corresponding TIMER button and reset the time.

### **▲ NOTE**

The setting time is relative time. That is the time set is based on the delay of the current time.

### **Warning**

1. Be sure there are no obstacles between the remote controller and the receiver of indoor unit otherwise the air conditioner will not work.
2. Keep the Remote Controller away from any liquids.
3. Protect the remote controller from the high temperatures and exposure to radiation.
4. Keep the indoor receiver out of direct sunlight or the Air Conditioner may malfunction.
5. Keep Remote Controller away from EMI(Electro-Magnetic Interference) supplied by other household appliances.
6. When replacing batteries, do not use old batteries or a different type battery. This may cause the remote control to malfunction.
7. If you do not use the remote controller for several weeks remove the batteries. Otherwise battery leakage may damage the remote controller.
8. The average battery life under normal use is about 6 months.
9. Replace the batteries when there is no answering beep from the indoor unit or if the Transmission Indicator light fails to light.