REMOTE CONTROLLER

CONTENTS

Note:
1. This operating manual is applicable to the following models of remote controller: R51H, R51H/C
2. Model R51H is used for cooling & heating type or heating pump type air conditioner. Model R51H/C is used for cooling only type air conditioner.

Remote Controller Specifications

Model	R51H, R51H/C
Rated Voltage	3.0V
Lowest Voltage of CPU Emitting Signal	2.0V
Signal Receiving Range	8m
Environment	-5℃~60℃(-41°F~140°F)

Performance Feature

1. Operating Mode: COOL、HEAT、DRY、FAN and AUTO.
2. Timer Setting Function in 24 hours.
3. Indoor Setting Temperature Range : 17℃~30℃.(63°F ~86°F)
4. LCD (Liquid Crystal Display) of all functions.
5. Control function of charactron tube

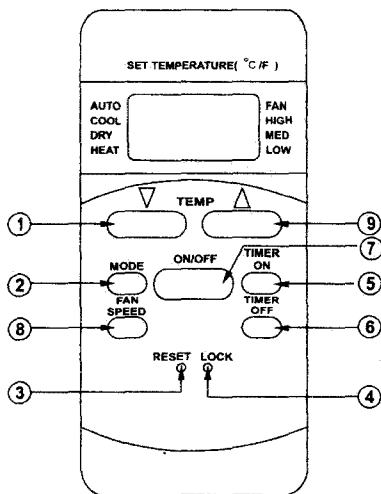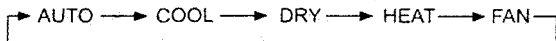## Introduction of Function Buttons on the Remote Controller

Fig. 1

① **TEMP Button▼**: Push the button to decrease the indoor temperature setting.

② **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:

> ┌─► AUTO ──► COOL ──► DRY ──► HEAT ──► FAN ─┐
> └───┘

    ▲ **NOTE**: *HEAT only for Heat Pump*

③ **RESET Button**: When the RESET button is pushed, all of the current settings are cancelled and the control will return to the initial settings.

④ **LOCK Button**: Push this button to lock in all the current settings. To release settings, push again.

⑤ **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.

⑥ **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

⑦ **ON/OFF Button**: Push this button to start the unit operation, push the button again to stop the unit operation.

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 **TEMP Button ▲** : Push the button to increase the indoor temperature setting.

Display Panel
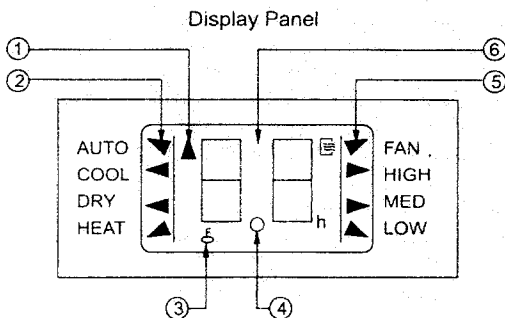

Fig. 2

① **TRANSMISSION Indicator:** This indicator lights when remote controller transmits signals to indoor unit.

② **MODE Display:** Shows the current operation modes-- AUTO, COOL, DRY , HEAT and FAN. HEAT only available for heat pump model.

③ **HEAT PUMP ONLY - LOCK display** is displayed by pushing the LOCK button. Push the LOCK button again to clear display.

④ **TIMER 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.

⑤ **FAN Display:** When the FAN button is pushed, this signal indicator lights.

⑥ **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.

⚠ **NOTE:** *All items are shown in the Fig.2 for the purpose of clear presentation But during the actual operation only the re- lative functional items are shown on the display panel.*

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☞ Install / Replace Batteries

The Remote Controller uses two alkaline dry batteries(R03/ir03X2).

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

⚠ NOTE

1. *When replacing batteries, do not use old batteries or a different type battery. This may cause the remote controller to malfunction.*
2. *If you do not use the remote controller for several weeks remove the batteries. Otherwise battery leakage may damage the remote controller.*
3. *The average battery life under normal use is about 6 months.*
4. *Replace the batteries when there is no answering beep from the indoor unit or if the Transmission Indicator light fails to appear.*

☞ 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 settings are between 21°C/70°F to 28°C/82°F
3. Push the ON/OFF button to start the air conditioner. The OPE-RATION lamp on the display panel of the indoor unit lights. The operating mode of 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.*

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O━ COOL , HEAT, and FAN ONLY Operation

1. If the AUTO mode is not comfortable , you may manually override the settings by using COOL, DRY, HEAT(HEAT PUMP units only), or FAN ONLY modes.
2. Push the TEMP button to set the desired room temperature. When in COOLING mode, the most comfortable settings are 21°C/70°F or above. When in HEATING mode, the most comfortable settings are 28°C/82°F 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 starts to operate per your settings. Push the ON/OFF button again to stop this unit operation.

▲ NOTE

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

O━ DRY OPERATION

1. Push the MODE button to select DRY.
2. Push the TEMP button to set the desired temperature from 21°C/70°F to 28°C/82°F.
3. Push the ON/OFF button. The operation lamp lights and the air conditioner starts to operate in the DRY mode. Push the ON/OFF button again to stop this unit operation.

O━ 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 .

⚠NOTE

1. Please reset the TIMER after cancelling the former time settings.

2. 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 barriers between the remote controller and the receiver of indoor unit otherwise the air conditioner will not work.
2. Keep the Remote Controller away from all liquids.
3. Protect the Remote Controller from high temperatures and exposure to radiation.
4. Keep the indoor receiver out of direct sunlight or the Air Conditioner may malfunction.
5. Keep controller away from EMI (Electro-Magnetic Interference) supplied by other household appliances.

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