Comfort-Aire®   CENTURY®

Remote Control Manual

SVH Series

Inverter Single Zone Ductless Mini-Split

SVH09SA-0

SVH09SA-1

SVH12SA-0

SVH12SA-1
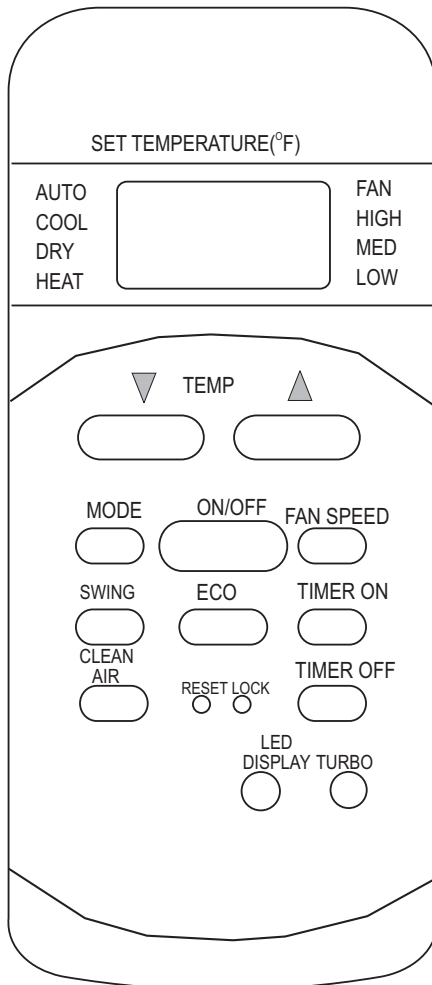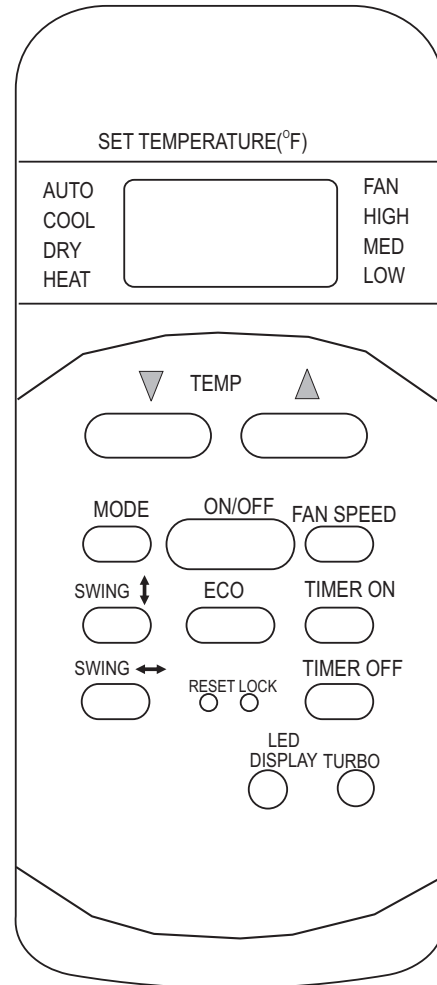
SVH18SA-1

SVH24SA-1

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Delivering Confidence

CONTENTS

Remote Controller Specifications

Model	RG51F/EU1, RG51F1/EU1, RG51F3/EU1
Rated Voltage	3.0V(Dry batteries R03/LR03¡2)
Signal Receiving Range	8m
Environment	62°F~86°F

SET TEMPERATURE(^{o}F)

AUTO
COOL
DRY
HEAT

FAN
HIGH
MED
LOW

▽ TEMP △

MODE   ON/OFF   FAN SPEED

SWING   ECO   TIMER ON

CLEAN AIR   RESET LOCK   TIMER OFF

LED DISPLAY   TURBO

Model: RG51F3/EU1
RG51F/EU1(This model does not have clean air button)

SET TEMPERATURE(^{o}F)

AUTO
COOL
DRY
HEAT

FAN
HIGH
MED
LOW

▽ TEMP △

MODE   ON/OFF   FAN SPEED

SWING ↕   ECO   TIMER ON

SWING ↔   RESET LOCK   TIMER OFF

LED DISPLAY   TURBO

Model : RG51F1/EU1

Operation of buttons

SET TEMPERATURE(°F)

AUTO	FAN
COOL	HIGH
DRY	MED
HEAT	LOW

▽ TEMP △

②   ①

⑨

MODE   ON/OFF   FAN SPEED
③   ⑩

SWING   ECO   TIMER ON
④   ⑪
⑤
CLEAN
AIR
RESET LOCK   TIMER OFF
⑥
⑦   ⑫
LED
DISPLAY TURBO
⑧   ⑬
                              ⑭
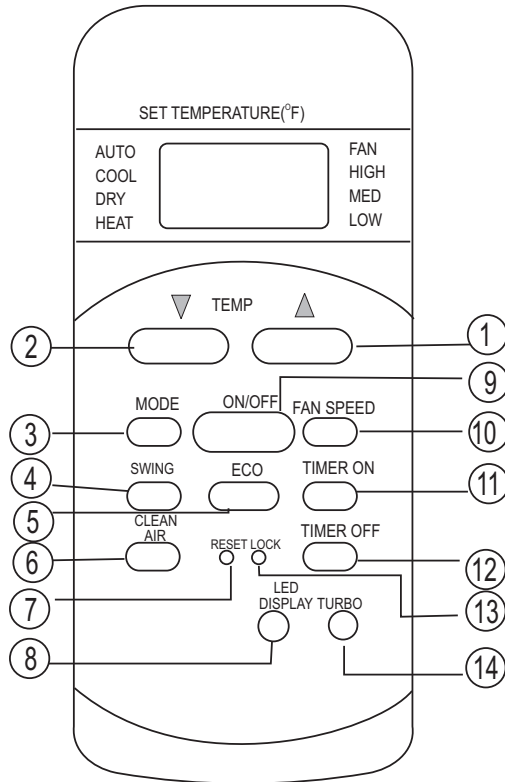
Model: RG51F3/EU1

RG51F/EU1(This model does not have clean air button)

❶ **TEMP UP Button**

Push this button to increase the indoor temperature setting in 1°F increments to 86°F.

❷ **TEMP DOWN Button**

Push this button to decrease the indoor temperature setting in 1°F increments to 62°F.

NOTE Temperature contol is not available in Fan mode.

NOTE: Press and hold UP and DOWN buttons together for 3 seconds will alternate the temperature display between the °C & °F scale.

❸ **MODE Button**

Press this button to modify the air conditioner mode in a sequence of following:

AUTO → COOL → DRY → HEAT → FAN
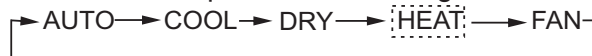
❹ **SWING/SWING ↕ Button**

Used to stop or start horizontal louver movement or set the desired up/down air flow direction. The louver changes 6 degree in angle for each press. If keep pushing more than 2 seconds, the louver will swing up and down automatically.
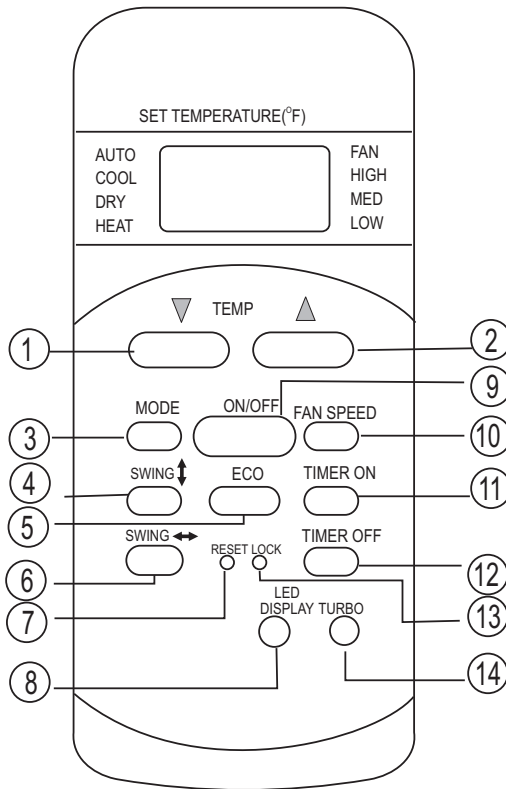
❺ **ECO Button:**

Used to enter the energy efficient mode. Under cooling mode, press this button, the remote controller will adjust the temperature automatically to 75°F, fan speed of Auto to save energy(but only if the set temperature is less than 75°F). If the set temperature is between 75°F and 86°F, press the ECO button, the fan speed will change to Auto, the set temperature will remain unchanged.

NOTE:

• Pressing the TURBO and SLEEP button, modifying the mode or adjusting the set temperature to less than 75°F will stop ECO operation.

Operation of buttons

SET TEMPERATURE(°F)

AUTO	FAN
COOL	HIGH
DRY	MED
HEAT	LOW

▽ TEMP △

① ②

⑨

MODE   ON/OFF   FAN SPEED

③ ⑩

SWING ↕   ECO   TIMER ON

④ ⑪

⑤

SWING ↔   RESET LOCK   TIMER OFF

⑥ ⑫

⑦

LED
DISPLAY TURBO ⑬

⑧ ⑭

Model : RG51F1/EU1

- Under ECO operation, the set temperature should be 75°F or more. it may result in insufficient cooling. If you feel uncomfortable, just press the ECO button again to stop it.

❻ **CLEAN AIR Button(applicable to RG51F3)**
Disable/Active clean air function. When the clean air function is initiated, the Ionizer/ Plasma Dust Collector(depending on models) is energized and will help to remove pollen and impurities from the air.

Swing ↔ Button(applicable to RG51F1)
Used to stop or start vertical louver movement and set the desired left/right air flow direction. The vertical louver changes 6 degree in angle for each press.

❼ **RESET Button**
Once the recessed RESET button is pressed, all of the current settings will be cancelled and the controller will return to the initial settings.

❽ **LED Button**
Disable/Active indoor screen Display. When pushing the button, the indoor screen display is cleared, press it again to light the display.

❾ **ON/OFF Button**
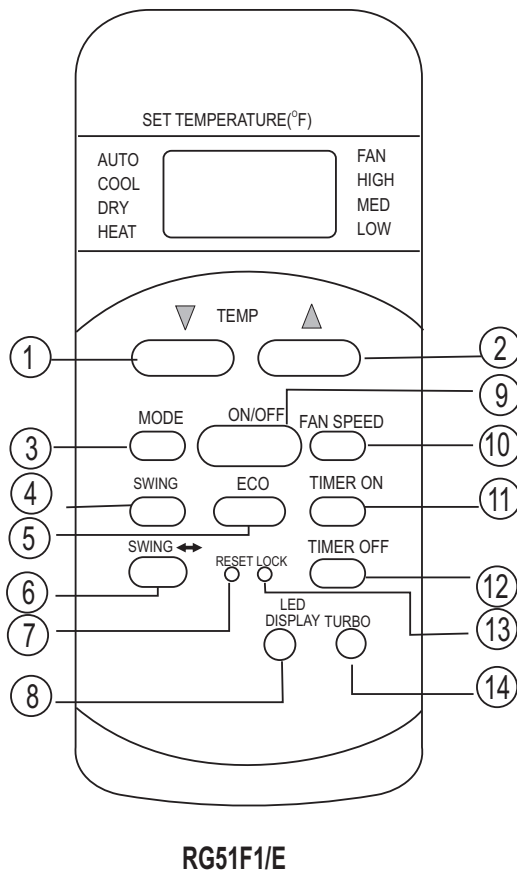Operation starts when this button is pressed and stops when the button is pressed again.

❿ **FAN SPEED Button**
Used to select the fan speed in four steps:
Auto→ Low→ Med→ High

⓫ **TIMER ON Button**
Press this button to initiate the auto-on time sequence. Each press will increase the auto-timed setting in 30 minute increments. When the setting time displays 10.0, each press will increase the auto-timed setting 60 minute increments.
To cancel the auto-timed program, simply adjust the auto-on time to 0.0.

SET TEMPERATURE(°F)

AUTO	FAN
COOL	HIGH
DRY	MED
HEAT	LOW

TEMP

▽ △

① ②

⑨

MODE   ON/OFF   FAN SPEED

③ ⑩

SWING   ECO   TIMER ON

④ ⑪

⑤

SWING ↔   TIMER OFF

RESET LOCK

⑥ ⑫

⑦   LED   ⑬
DISPLAY TURBO

⑧ ⑭

RG51F1/E

❷ **TIMER OFF Button**
Press this button to initiate the auto-off time sequence. Each press will increase the auto-timed setting in 30 minute increments. When the setting time displays 10.0, each press will increase the auto-timed setting 60 minute increments. To cancel the auto-timed program, simply adjust the auto-off time to 0.0

❸ **LOCK Button**
Press this recessed button to lock all current settings, and the remote controller will not accept any operation except that of the LOCK. Use the LOCK mode when you want to prevent settings from being changed accidentally. Press the LOCK button again to cancel the LOCK function. A lock symbol will appear on the remote controller display when the lock function is activated.

❹ **TURBO Button**
Active/Disable Turbo function. Turbo function enables the unit to reach the preset temperature at cooling or heating operation in the shortest time(if the indoor unit does not support this function, there is no corresponding operation when pressing this button.)

NOTE:

- Buttons design is based on typical model and might be slightly different from the actual one you purchased. The actual shape shall prevail.
- All the functions described are accomplished by the unit. If the unit doesn't have this feature, there is no corresponding operation at the unit.

- When there are wide differences between "USER'S MANUAL" on function description, description of "USER'S MANUAL" shall prevail.

Indicators on LCD

Information is displayed when the remote controller is powered up.

AUTO
COOL
DRY

HEAT

TIMER ON OFF

FAN
HIGH
MED
LOW
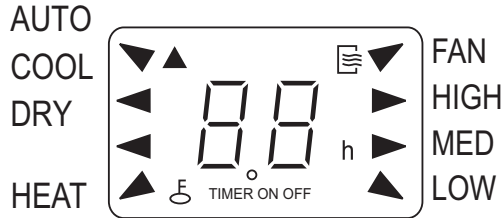
Mode display

AUTO ▼   COOL ◄   DRY ◄

HEAT ◢   FAN ▼

▲	Displayed when data transmitted.
⩘	Displayed when remote controller is ON.

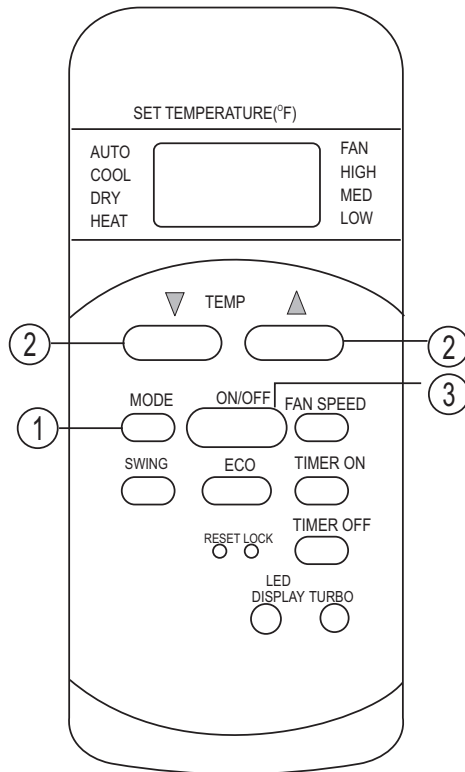|	
TIMER ON	Displayed when TIMER ON time is set.
TIMER OFF	Displayed when TIMER OFF time is set.
🔢 h	Show set temperature or room temperature, or time under TIMER setting.
⟃	Indicated all the current settings are locked

Fan speed indication

►	HIGH	High speed
►	MED	Medium speed
▲	LOW	Low speed
	NO display	Auto fan speed

Note:
All indicators shown in the figure are for the purpose of clear presentation. During the actual operation only the relative functional signs are shown on the display window.

How to use the buttons

SET TEMPERATURE(°F)

AUTO   FAN
COOL   HIGH
DRY   MED
HEAT   LOW

▽ TEMP △

② ②

③

MODE   ON/OFF   FAN SPEED
①

SWING   ECO   TIMER ON

RESET LOCK   TIMER OFF

LED
DISPLAY TURBO

Auto operation

Ensure power is available. The OPERATION indicator on the display panel of the indoor unit starts flashing.
1. Press the **MODE** button to select Auto.
2. Press the **UP/DOWN** button to set the desired temperature. The temperature can be set within a range of $62^\circ F \sim 86^\circ F$ in $1^\circ F$ increments.
3. Press the **ON/OFF** button to start the air conditioner.

NOTE

1. *In the Auto mode, the air conditioner will choose the mode of Cooling, Fan, and Heating by sensing the difference between the actual ambient room temperature and the setting temperature on the remote controller.*
2. *In the Auto mode, you can not switch the fan speed. It is automatically controlled.*
3. *If the Auto mode is not comfortable for you , the desired mode can be selected manually.*

SET TEMPERATURE(°F)

AUTO   FAN
COOL   HIGH
DRY   MED
HEAT   LOW

▽ TEMP △

② ②

MODE   ON/OFF   FAN SPEED
①   ③

SWING   ECO   TIMER ON
                              ④
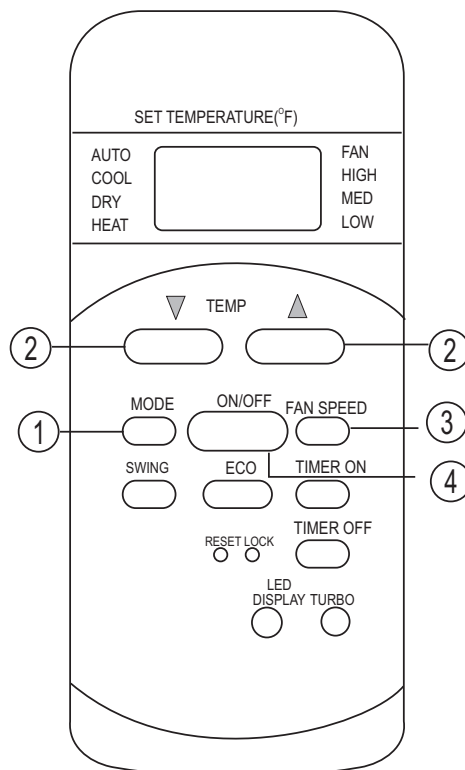
RESET LOCK   TIMER OFF

LED
DISPLAY TURBO

Cooling /Heating/Fan operation

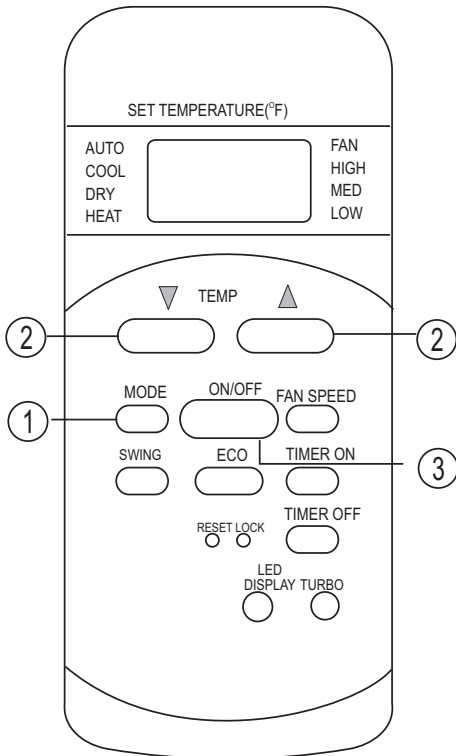Ensure the unit is plugged in and power is available.
1. Press the **MODE** button to select COOL, HEAT or FAN mode.
2. Press the **UP/DOWN** buttons to set the desired temperature. The temperature can be set within a range of $62^\circ F \sim 86^\circ F$ in $1^\circ F$ increments.

3. Press the **FAN** button to select the fan speed in four steps- Auto, Low, Med,or High.
4. Press the **ON/OFF** button to start the air conditioner.

NOTE

In the FAN mode, the setting temperature is not displayed in the remote controller and you are not able to control the room temperature either. In this case, only step 1, 3 and 4 may be performed.

How to use the buttons

SET TEMPERATURE(°F)

AUTO	FAN
COOL	HIGH
DRY	MED
HEAT	LOW

▽ TEMP △

② ②

MODE ON/OFF FAN SPEED

①

SWING ECO TIMER ON ③

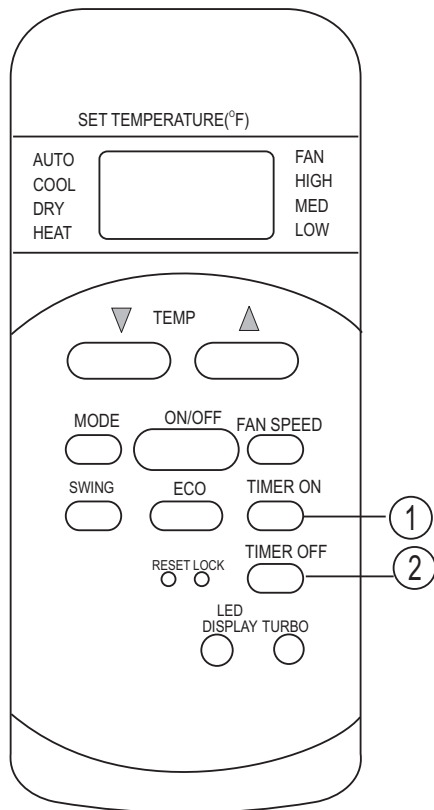RESET LOCK TIMER OFF

LED
DISPLAY TURBO

Dehumidifying operation

Ensure the unit is plugged in and power is available. The OPERATION indicator on the display panel of the indoor unit starts flashing.
1. Press the **MODE** button to select DRY mode.
2. Press the **UP/DOWN** buttons to set the desired temperature. The temperature can be set within a range of 62°F~86°F in 1°F increments.

3. Press the **ON/OFF** button to start the air conditioner.

   NOTE
In the Dehumidifying mode, you can not switch the fan speed. It is automatically controlled.

SET TEMPERATURE(°F)

AUTO	FAN
COOL	HIGH
DRY	MED
HEAT	LOW

TEMP

MODE ON/OFF FAN SPEED

SWING ECO TIMER ON ①

TIMER OFF ②
RESET LOCK

LED
DISPLAY TURBO

Timer operation

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

To set the Auto-on time.

1. Press the TIMER ON button. The remote controller shows TIMER ON, the last Auto-on setting time and the signal "H" will be shown on the LCD display area. Now it is ready to reset the Auto-on time to START the operation.
2. Push the TIMER ON button again to set desired Auto-on time. Each time you press the button, the time increases by half an hour between 0 and 10 hours and by one hour between 10 and 24 hours.
3. After setting the TIMER ON ,there will be a one second delay before the remote controller transmits the signal to the air conditioner. Then, after approximately another 2 seconds, the signal "h" will disappear and the set temperature will re-appear on the LCD display window.

To set the Auto-off time.

1. Press the TIMER OFF button. The remote controller shows TIMER OFF, the last Auto-off setting time and the signal "H" will be shown on the LCD display area. Now it is ready to reset the Auto-off time to stop the operation.
2. Push the TIMER OFF button again to set desired Auto-off time. Each time you press the button, the time increases by half an hour between 0 and 10 hours and by one hour between 10 and 24 hours.
3. After setting the TIMER OFF ,there will be a one second delay before the remote controller transmits the signal to the air conditioner. Then, after approximately another 2 seconds, the signal "H " will disappear and the set temperature will re-appear on the LCD display window.

⚠ CAUTION
- The effective operation time set by the remote controller for the timer function is limited to the following settings: 0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5, 10, 11, 12, 13, 14, 15,16,17, 18, 19, 20, 21, 22, 23 and 24.

Example of timer setting

```
  6.0 h

TIMER ON
```
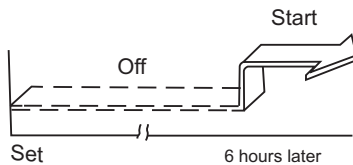
TIMER ON
(Auto-on Operation)
The TIMER ON feature is useful when you want the unit to turn on automatically before you return home. The air conditioner will automatically start operating at the set time.

Example:

To start the air conditioner in 6 hours.
1. Press the TIMER ON button, the last setting of starting operation time and the signal "h " will show on the display area.
2. Press the TIMER ON button to display "6.0h " on the TIMER ON display of the remote controller.
3. Wait for 3 seconds and the digital display area will show the temperature again. The "TIMER ON" indicator remains on and this function is activated.
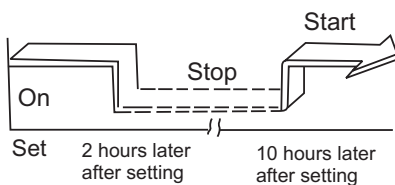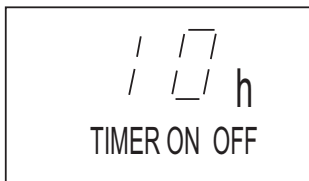
10 h

TIMER OFF

On

Stop

Set　　　　10 hours later
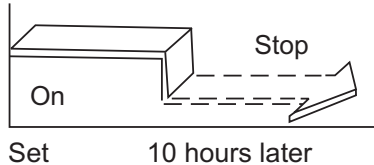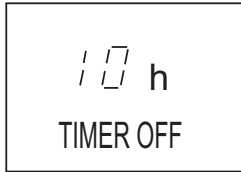
TIMER OFF
(Auto-off Operation)
The TIMER OFF feature is useful when you want the unit to turn off automatically after you go to bed. The air conditioner will stop automatically at the set time.

Example:
To stop the air conditioner in 10 hours.
1. Press the TIMER OFF button, the last setting of stopping operation time and the signal "h " will show on the display area.
2. Press the TIMER OFF button to display "10h " on the TIMER OFF display of the remote controller.
3. Wait for 3 seconds and the digital display area will show the temperature again. The "TIMER OFF" indicator remains on and this function is activated.

10 h

TIMER ON OFF

On

Start

Stop

Set　2 hours later
after setting　　10 hours later
after setting

COMBINED TIMER
(Setting both ON and OFF timers simultaneously)

TIMER OFF ¡ TIMER ON
(On ¡ Stop ¡ Start operation)
This feature is useful when you want to stop the air conditioner after you go to bed, and start it again in the morning when you wake up or when you return home.

Example:

To stop the air conditioner 2 hours after setting and start it again 10 hours after setting.
1. Press the TIMER OFF button.
2. Press the TIMER OFF button again to display 2.0H on the TIMER OFF display.
3. Press the TIMER ON button.
4. Press the TIMER ON button again to display 10H on the TIMER ON display .
5. Wait for 3 seconds and the digital display area will show the temperature again. The "TIMER ON OFF" indicator remains on and this function is activated.

```
5.0 h
TIMER ON  OFF
```
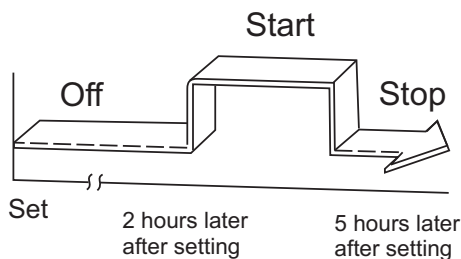
TIMER ON ¡ TIMER OFF
(Off ¡ Start ¡ Stop operation)
This feature is useful when you want to start
the air conditioner before you wake up and
stop it after you leave the house.

**Example:**

To start the air conditioner 2 hours after setting,
and stop it 5 hours after setting.
1. Press the TIMER ON button.
2. Press the TIMER ON button again to display
   2.0H on the TIMER ON display.
3. Press the TIMER OFF button.
4. Press the TIMER OFF button again to display
   5.0H on the TIMER OFF display .
5. Wait for 3 seconds and the digital display area
   will show the temperature again. The "TIMER
   ON  OFF" indicator remains on and this function
   is activated.

Start

Off                    Stop

Set
     2 hours later        5 hours later
     after setting        after setting

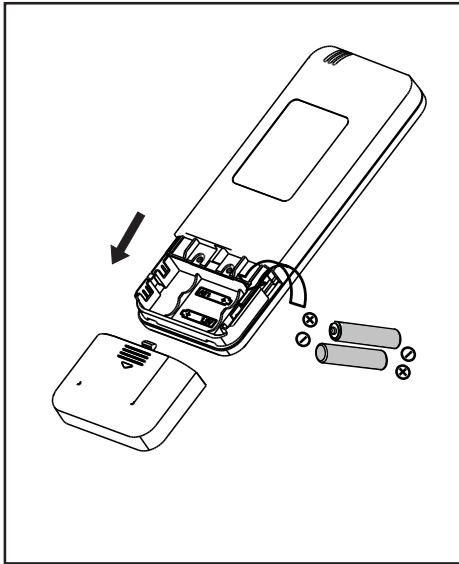## Handling the remote controller
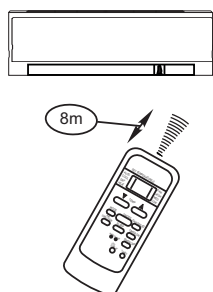
### Location of the remote controller.

- Use the remote controller within a distance of 8
  meters from the appliance, pointing it towards
  the receiver. Reception is confirmed by a beep.

8m

⚠ **CAUTIONS**

- The air conditioner will not operate if curtains,
  doors or other materials block the signals from
  the remote controller to the indoor unit.
- Prevent any liquid from falling into the remote
  controller. Do not expose the remote controller
  to direct sunlight or heat.
- If the infrared signal receiver on the indoor unit
  is exposed to direct sunlight, the air conditioner
  may not function properly. Use curtains to
  prevent the sunlight from falling on the receiver.
- If other electrical appliances react to the remote
  controller, either move these appliances or
  consult your local dealer.
- Do not drop the remote controller. Handle with
- care.
  Do not place heavy objects on the remote
  controller, or step on it.

## Replacing batteries

The following cases signify exhausted batteries. Replace old batteries with new ones.
- Receiving beep is not emitted when a signal is transmitted.
- Indicator fades away.

The remote controller is powered by two dry batteries (R03/LR03X2) housed in the back rear part and protected by a cover.
(1) Remove the cover in the rear part of the remote controller.
(2) Remove the old batteries and insert the new batteries,placing the(+) and (-) ends correctly.
(3) Install the cover back on.

**NOTE:** When the batteries are removed, the remote controller erases all programming. After inserting new batteries, the remote controller must be reprogrammed.

## ⚠ CAUTIONS
- Do not mix old and new batteries or batteries of different types.
- Do not leave the batteries in the remote controller if it is not going to be used for 2 or 3 months.
- Do not dispose batteries as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.

## NOTE:

The device could comply with local and national regulations.

- In Canada, it should comply with CAN ICES-3(B)/NMB-3(B).
- In USA, this device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
  (1) This device may not cause harmful interference, and
  (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- Changes or modifications not approved by the party responsible for compliance could void user's authority to operate the equipment.

Due to ongoing product improvements, specifications and dimensions are
subject to change and correction without notice or incurring obligations. Determining the
application and suitability for use of any product is the responsibility of the installer.
Additionally, the installer is responsible for verifying dimensional data on the actual product
prior to beginning any installation preparations.

Incentive and rebate programs have precise requirements as to product performance
and certification. All products meet applicable regulations in effect on date of manufacture;
however, certifications are not necessarily granted for the life of a product.
Therefore, it is the responsibility of the applicant to determine whether a specific
model qualifies for these incentive/rebate programs.