MRCOOL® PTAC REMOTE CONTROL

OWNER'S MANUAL

MODELS:

PTRC



Read this manual carefully before installation and keep it where the operator can easily find it for future reference.

Due to updates and constantly improving performance, the information and instructions within this manual are subject to change without notice.

Version Date: October 23, 2026
Please visit www.mrcool.com/documentation
to ensure you have the latest version of this manual.

MRCOOL®
COMFORT MADE SIMPLE

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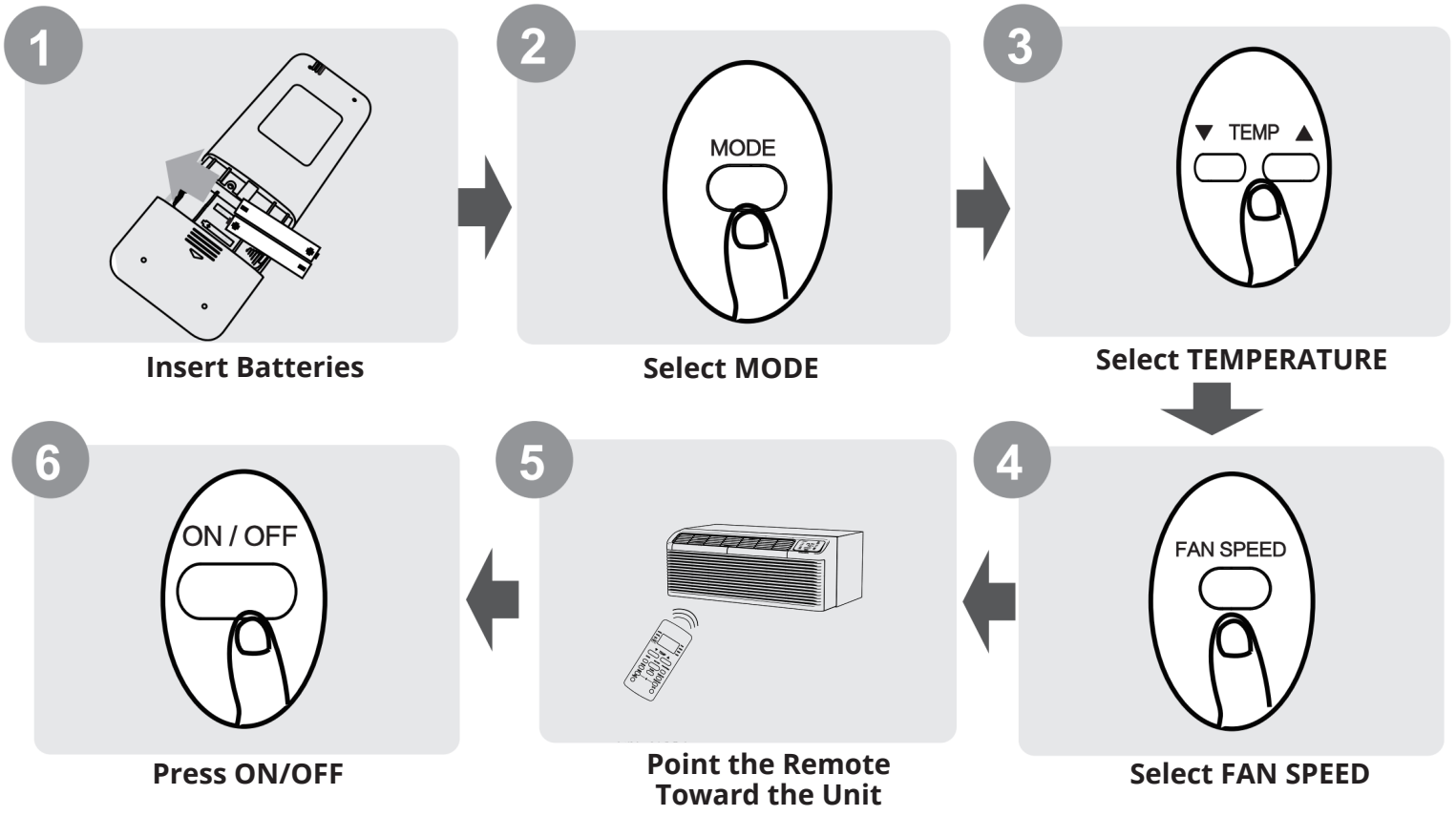
1 - Specifications

Model	PTRC
Rated Voltage	3.0V (dry batteries R03/LR03x2)
Signal Receiving Range	26.24 ft (8m)
Environment	23°F~140°F (-5°C~60°C)

2 - Quick-Start Guide



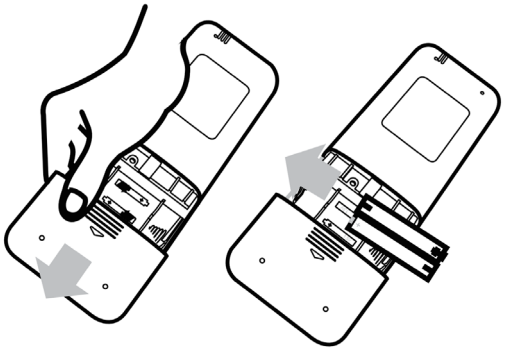
Unsure about the Usefulness of a Function?
Refer to the "Basic Functions" and "Advanced Functions" sections of this manual for a detailed description of how to use your air conditioner.

NOTE

- Buttons designs on your unit may differ slightly from the example shown.
- If the indoor unit does not have a particular function, press that function's button on the remote controller will have no effect.
- If there is a difference in the description of a unit's function between the "Remote Controller Manual" and "Installation & Owner's manual", the information found in the "Installation & Owner's Manual" should take precedent.

3 HANDLING

3.1 Inserting & Replacing Batteries



Your air conditioning unit may come with two batteries. If so, put the batteries in the remote control before use.

1. Slide the back cover from the remote control downward, exposing the battery compartment.
2. Insert the batteries, paying attention to match up the (+) and (-) ends of the batteries with the symbols inside the battery compartment.
3. Slide the battery cover back into place.

3.2 Battery Performance

- Do not mix old and new batteries, or batteries from different brands.
- Do not leave batteries in the remote control if you don't plan on using the device for more than 2 months.
- Direct sunlight can interfere with the infrared signal receiver.
- There must be a clear line of sight between the remote and the appliance.
- If the signal from the remote control happens to control another appliance, move the appliance to another location or contact MRCOOL® Customer Service at (270)366-0457 or support@mrcool.com.

3.3 Battery Compliance

The device should 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.

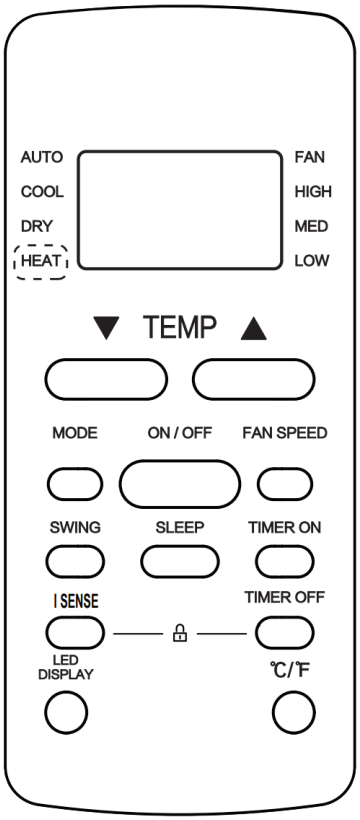
3.4 Battery Disposal

- Do not dispose of batteries as unsorted municipal waste. Refer to the local and national laws for proper battery disposal.
- Batteries may have a chemical symbol at the bottom of the disposal icon. This chemical symbol means the battery contains a heavy metal that exceeds a certain concentration. (An example is Pb: Lead (>0.004%)).
- Appliances and used batteries must be treated in a specialized facility for reuse, recycling, and recovery. By ensuring correct disposal, you will help avoid possible negative consequences for the environment and human health.



4 - Buttons & Functions

Before you begin using your new air conditioner, make sure to familiarize yourself with its remote controller. The following is a brief introduction to the remote control itself. For instructions on how to operate your air conditioner, refer to the "How to Use Basic Functions" section of this manual.



TEMP ▼ :Decrease temperature in 1°F/1°C increments. Minimum temperature is 60°F (16°C).

TEMP ▲ : Increase temperature in 1°F/1°C increments. Maximum temperature is 86°F (30°C).

NOTE: Press and hold TEMP ▼ and ▲ buttons at the same time for 3 seconds to switch °C to °F.

FAN SPEED: Cycle through fan speeds in the following order: AUTO>LOW>(MED)>HIGH

NOTE: For some models, the MED fan speed may not be selected. (RG51H2(2)/EFU1-M, R51H3(2)/EU1-M).

MODE: Scrolls through the operation modes as follows: (AUTO)>COOL>(DRY)>(HEAT)>FAN

NOTE: Please do not select HEAT mode if the machine you purchased is the cooling-only type. HEAT mode is not supported by the Cooling-only appliance. For model F(RG51G(2)/CEFU1), the AUTO mode cannot be selected. For model I(RG51G5(2)/EU1), the AUTO and DRY mode cannot be selected.

SLEEP: Saves energy during nighttime hours.

SHORTCUT: Sets and activated your favorite pre-settings.

TIMER ON: Sets a timer to turn the unit on (see "How to Use Basic Functions for instructions).

I SENSE: Temperature sensing and room temperature display button.

TIMER OFF: Sets timer to turn the unit off (see "How to Use Basic Functions for instructions).

LED DISPLAY: Press this button to turn the display On/Off the indoor unit's display.

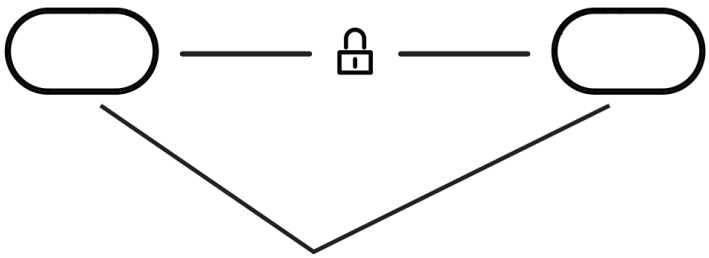
°C/°F: Press this button to alternate the temperature display between the °C & °F.

SWING: Starts and stops the horizontal louver movement. Hold for 2 seconds to initiate vertical louver auto swing feature.

FRESH: The ion generator is energized and will help purify the air inside.

ENERGY SAVER: Press the Energy Saver button to initiate this function. This function is available on COOL, DRY, AUTO (only AUTO-COOLING and AUTO-FAN) modes. The fan will continue to run for 3 minutes after the compressor shuts off. The fan then cycles on for 2 minutes at 10-minute intervals until the room temperature is above the set temperature, at which time the compressor turns back on and Cooling starts.

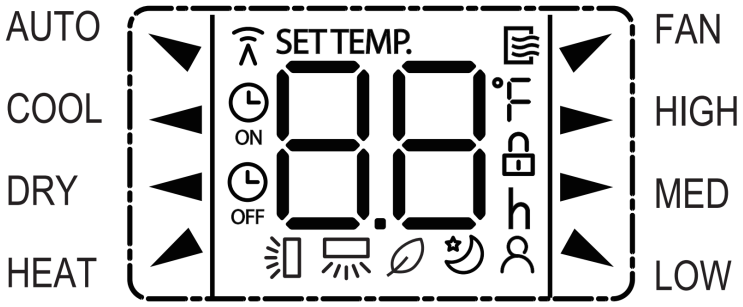
NOTE: Press together the two buttons simultaneously for 5 seconds to lock the keyboard. In conjunction, press the two buttons for 2 seconds to unlock the keyboard.



Press these two buttons simultaneously.

5 - Remote Screen Indicators

Information is displayed on the screen when the remote control is on.



Mode Display

AUTO COOL DRY
HEAT FAN

Displayed when data is transmitted.

Displayed when the remote control is ON.

Displayed when TIMER ON is set.

Displayed when TIMER OFF is set.

Shows set temperature or room temperature, or time under TIMER setting.

Indicates all current settings are locked.

Displayed when I SENSE feature is activated.

Displayed when SLEEP feature is activated.

Fresh feature display.

Horizontal louver swing display.

Vertical louver auto swing display.

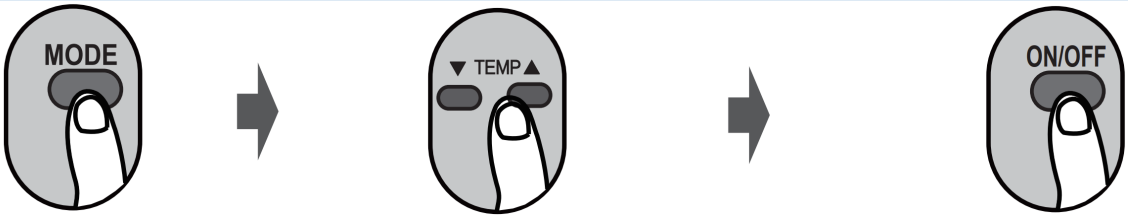
Fan Speed Indication

HIGH	High Speed
MED	Medium Speed
LOW	Low Speed
NO Display	Auto Fan Speed

NOTE:
All indicators shown in the figure above are for the purpose of clear presentation. During the actual operation, however, only the relative function signs are shown on the display screen.

6.1 Auto Mode

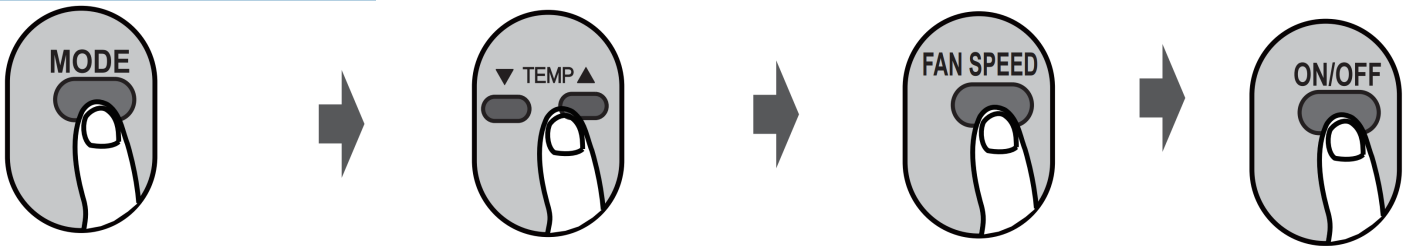
NOTE: Before operation, please ensure the unit is plugged in and power is available.



Select AUTO mode | Set your desired temperature | Turn on the air conditioner

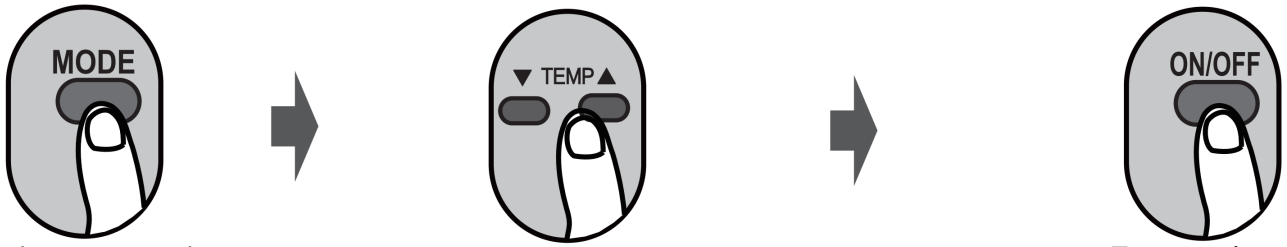
NOTE:
1. In AUTO mode, the unit will automatically select the COOL, FAN, or HEAT function based on the set temperature.
2. In AUTO mode, fan speed cannot be set.

6.2 Cool or Heat Mode



Select COOL/HEAT mode | Set the TEMP | Set the FAN SPEED | Turn on the air conditioner

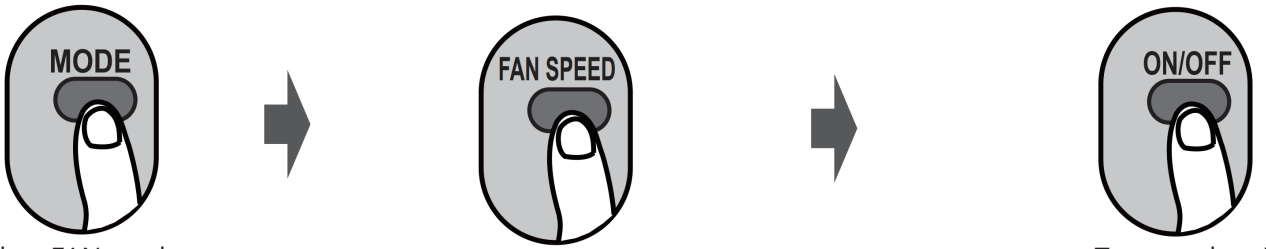
6.3 Dry Mode



Select DRY mode | Set your desired temperature | Turn on the air conditioner

NOTE: In DRY mode, fan speed cannot be set since it has already been automatically controlled.

6.4 Fan Mode

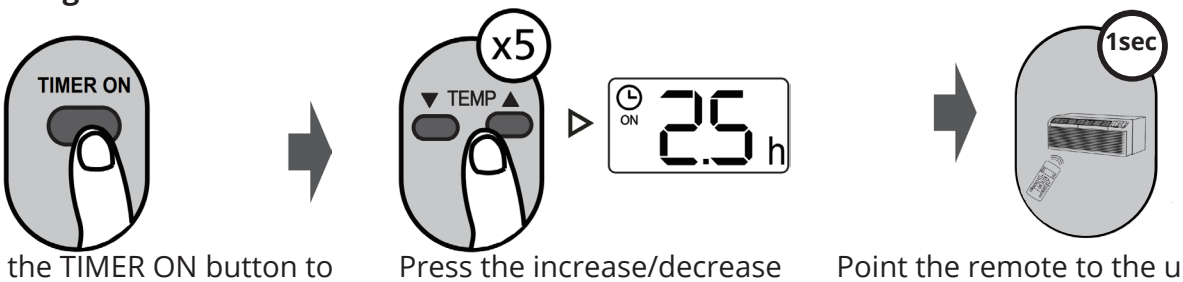


Select FAN mode | Set your desired temperature | Turn on the air conditioner

NOTE: In FAN mode, you can't set the temperature. As a result, temperature is not displayed on the remote screen.

6.5 Setting The Timer

TIMER ON Setting

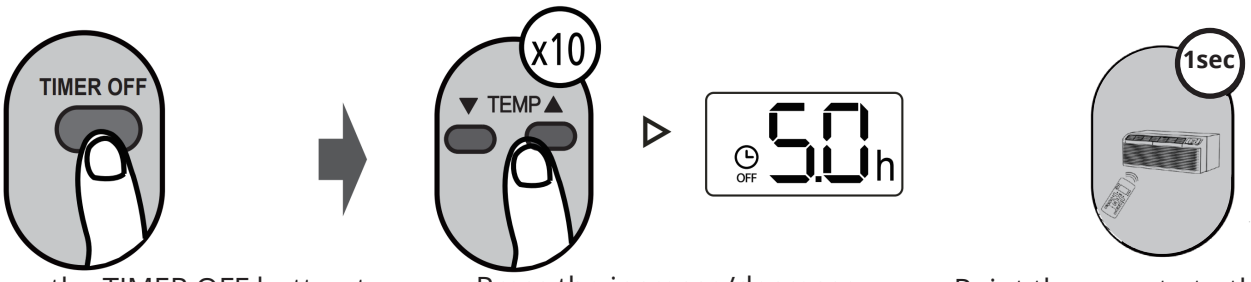


Press the TIMER ON button to initiate the time sequence.

Press the increase/decrease buttons to set the desired time for the unit to turn on.

Point the remote to the unit and wait 1 second, TIMER ON will be activated

TIMER OFF Setting



Press the TIMER OFF button to initiate the off sequence.

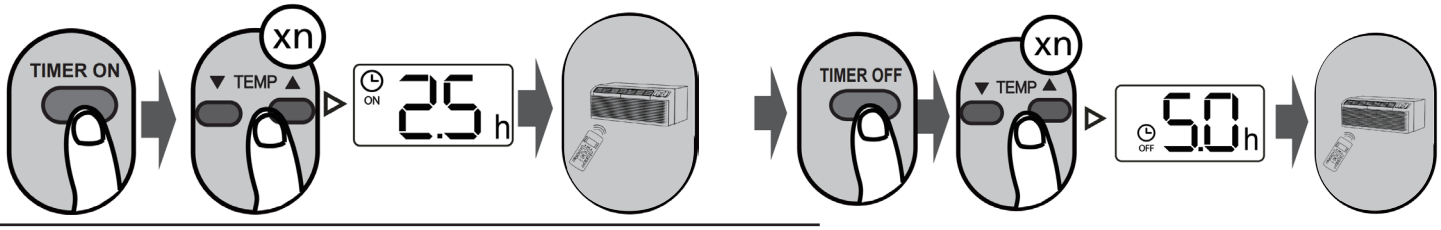
Press the increase/decrease buttons to set the desired time for the unit to turn on.

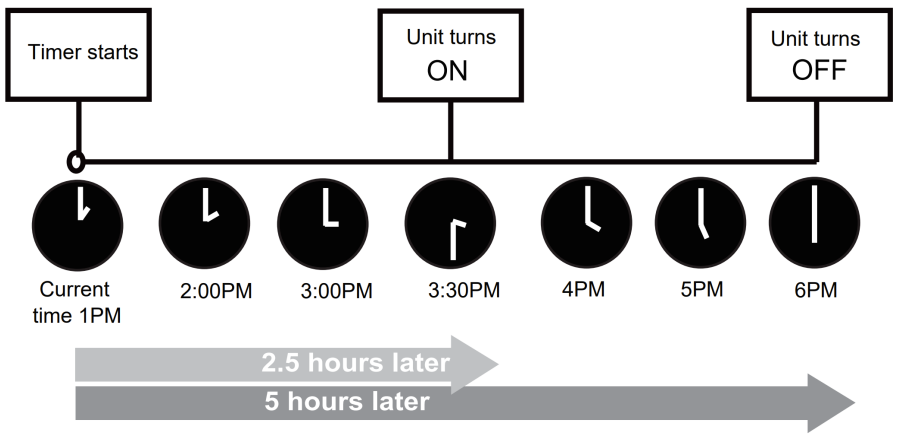
Point the remote to the unit and wait 1 second, TIMER OFF will be activated

NOTE:

1. When setting the TIMER ON and TIMER OFF, the time will increase by 30-minute increments with each press (up to 10 hours). After 10 hours and up to 24, it will increase in 1-hour increments. For example, press 5 times to get to 2-1/2h or press it 10 times for 5h. The timer will revert to 0.0 after 24 hours.
2. Cancel either function by setting its timer to 0.0h.

TIMER ON & OFF Setting

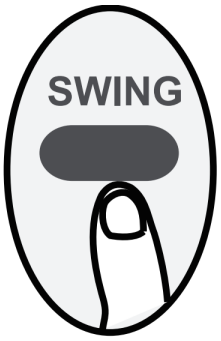




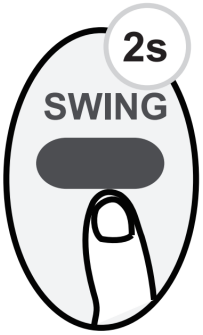
Example:

If the current timer is 1:00 p.m. and you set the timer according to the steps above, the unit will turn on 2-1/2 hours later at 3:30 p.m. and turn off 5 hours after 1:00 p.m. at 6:00 p.m.

7.1 Swing Function



The horizontal louver will swing up and down automatically when pressing Swing button. Press again to make it stop.



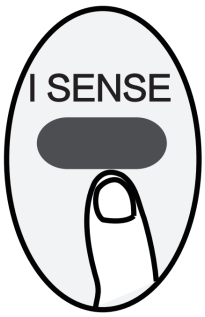
Keep pressing this button more than 2 seconds, the vertical louver swing function is activated (model-dependent).

7.2 Sleep Function



The SLEEP function is used to decrease energy use while you sleep (and don't need the same temperature settings to stay comfortable). This function can only be activated via remote control. The sleep function is not available in Fan or Dry mode. Please refer to the "Installation & Owner's Manual" for more details.

7.3 I Sense Function

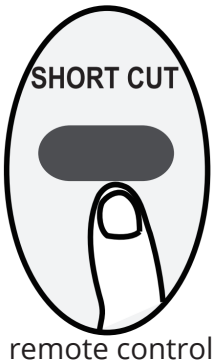


When the I SENSE function is activated, the remote display is actual temperature at its location. The remote control will send this signal to the air conditioner every 3 minutes interval until press the I SENSE button again.

NOTE: Press this button for seven seconds to start/stop memory feature of I SENSE function.

- If the memory feature is activated, “ON” displays for 3 seconds on the screen.
- If the memory feature is stopped, “OFF” displays for 3 seconds on the screen.
- While the memory feature is activated, press the ON/OFF button, shift the mode or power failure will not cancel the I SENSE function.

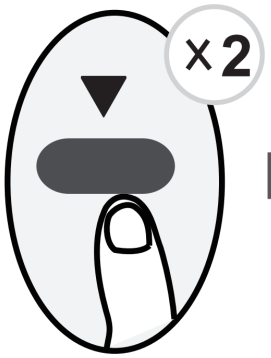
7.4 Shortcut Function



Used to restore the current settings or resume previous settings.

Push this button when remote controller is on, the system will automatically revert back to the previous settings including operating mode, setting temperature, fan speed level and sleep feature(if activated). If pushing more than 2 seconds, the system will automatically restore the current operation settings including operating mode, setting temperature, fan speed level and sleep feature (if activated).

7.5 FP Function



The unit will operate at high fan speed (while compressor on) with temperature automatically set to 8°C/46°F.

Note: This function is for a heat pump air conditioner only.

Press this button 2 times during one second under HEAT Mode and setting temperature of 16°C/60°F to activate the FP function. Pressing the ON/OFF, SLEEP, MODE, FAN, and TEMPERATURE button while operating will cancel this function.

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