



Owner Manual

CASSETTE

Split System,
18,000 - 48,000 Btu/h
Underceiling Type
MCC Series 50 Hz



Models
Cooling Only
MCC 518 ZB
MCC 524 ZB
MCC 530 ZB
MCC 536 ZB
MCC 048 ZB

October 2007

MCC-SVU02A-EN



General Information

General Information

Congratulations on your choice of a Trane mini-split system. These systems have been carefully designed and manufactured under strict Trane Worldwide Quality Standards to provide you with years of comfortable, convenient cooling with a minimum of service.

This Owner Manual is given as a guide to start-up, operation and periodic maintenance by the user of MCC split-system. It does not contain the full service procedures necessary for the continued successful operation of this equipment. The services of a qualified service technician should be employed, through the maintenance contract with a reputable service company.

Read it completely before doing anything with your air conditioning system.

About this Manual

Cautions appear at appropriate places in this instruction manual. Your personal safety and the proper operation of this machine require that you follow them carefully. The Trane Company assumes no liability for the inappropriate usage of the unit.

About the Unit

These MCC units are assembled, pressure tested, dehydrated, charged and run tested before shipment. The information contained in this manual applies to MCC units are designed to operate in cooling mode only.

Trane MCC series offer ceiling mounted installation to leave the floor space uncluttered, and equipped with LCD wireless remote control.

Reception

On arrival, inspect the unit before signing the delivery note. Specify any damage of the unit on the delivery note, and send a registered letter of protest to the last carrier of the goods within 72 hours of delivery. Notify the dealer at the same time.

The unit should be totally inspected within 7 days of delivery. If any concealed damage is discovered, send a registered letter of protest to the carrier within 7 days of delivery and notify the dealer.

Warning

Warnings are provided at appropriate places in this manual to indicate to installers, operators and service personnel of potentially hazardous situations which, if not avoided, COULD result in death or serious injury.

Caution

Cautions are provided at appropriate places in this manual to indicate to installers, operators, and service personnel of potentially hazardous situations which, if not avoided, MAY result in minor or moderate injury or malfunction of the unit.

Your personal safety and the proper operation of this unit require that you follow them carefully. The Trane Company assumes no liability for installations or servicing performed by unqualified personnel.

Warranty

Warranty is based on the general terms and conditions by country. The warranty is void if the equipment is modified or repaired without the written approval of The Trane Company, if the operating limits are exceeded or if the control system or the electrical wiring is modified.

Damage due to misuse, lack of maintenance or failure to comply with the manufacturer's instructions, is not covered by the warranty obligation. If the user does not conform to the rules described in Owner Manual, it may entail cancellation of warranty and liabilities by The Trane Company.

Important

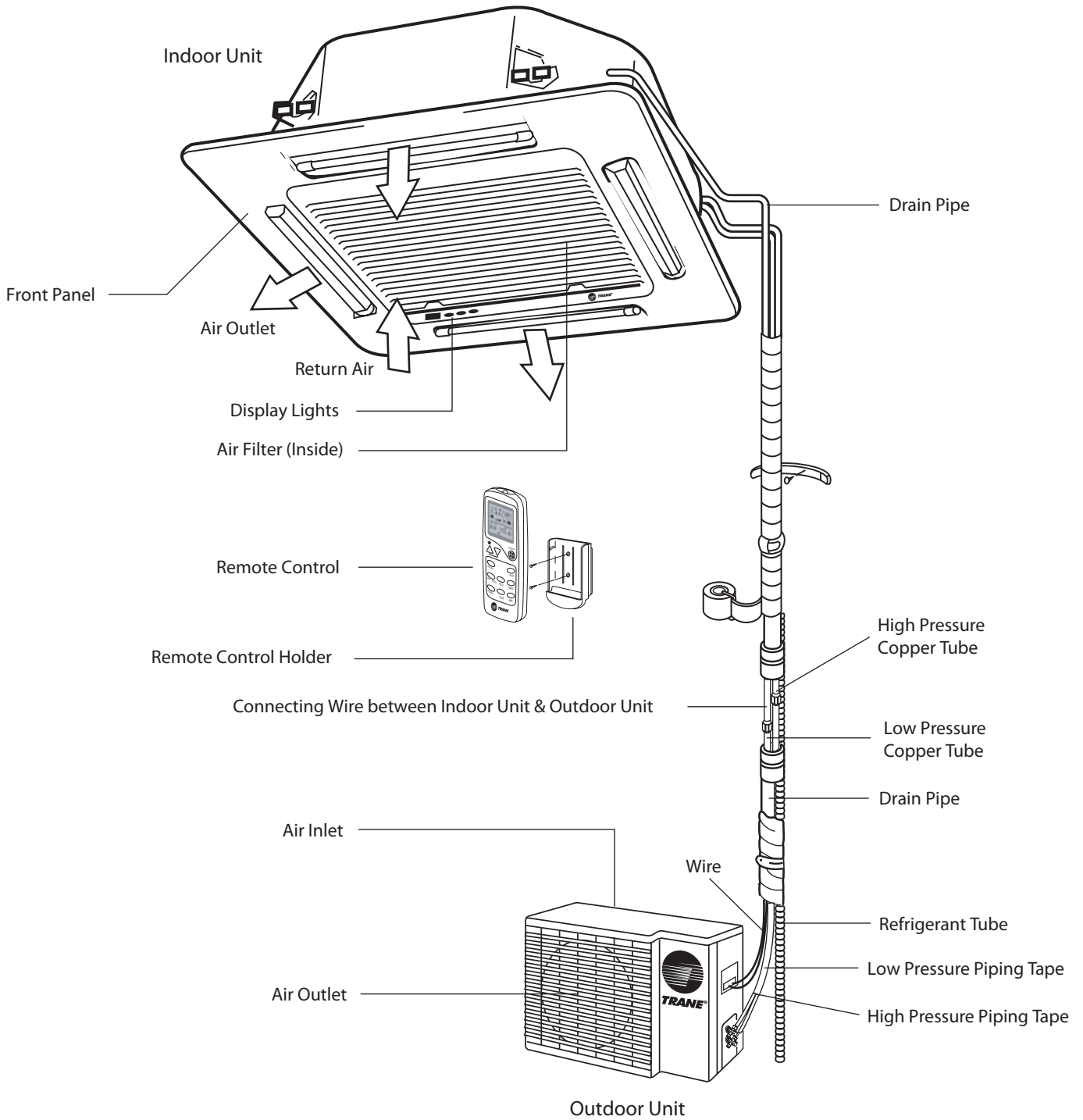
These instructions do not cover all variations in systems, nor do they provide for every possible contingency to be met.

Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to your authorized Trane dealer.

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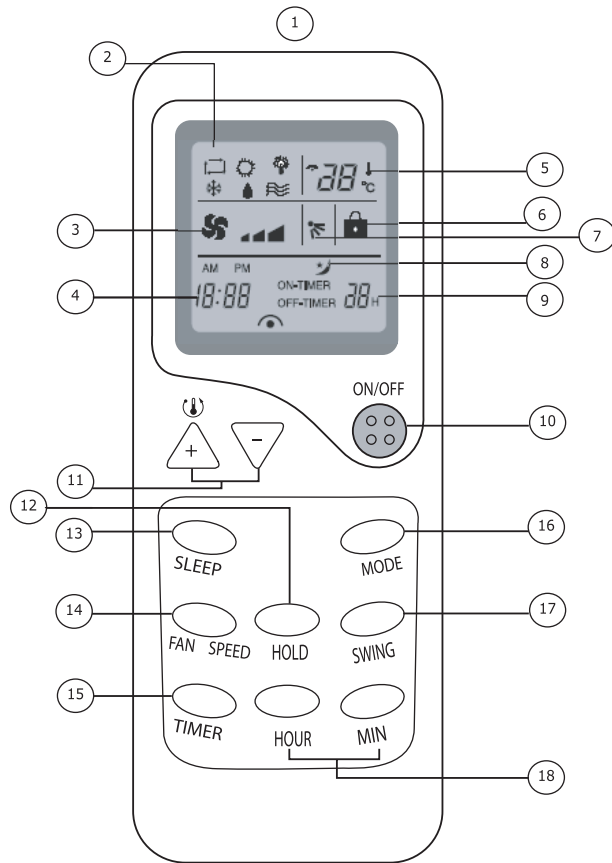
System Appearance



Control Operation

Infrared Remote Control Name and Function of buttons

1. Infrared Signal Transmitter
Transmits the signal to indoor unit
2. System Mode
Displays the current operating mode. In cooling only it will operate in Cooling - Dry (Dehumidification) - Fan mode consecutively
3. Fan Speed Indicator
Displays the selected fan speed. Fan speed level of Hi, Me and Lo will be indicated
4. Clock
Displays the current time
5. Temperature Setting
Displays the temperature setting
6. Lock Key Indicator
Displays locked status of keyboard
7. Airflow Indicator
Displays swing airflow status
8. Sleep Mode Indicator
Display status of Sleep Mode
9. Programmable Timing Indicator
Displays hours set for auto turn-on or turn-off
10. Power Button
Press this button to start operation. Press this button again to stop operation
11. Temperature Setting Button
 Press this button to increase the set temperature
 Press this button to decrease the set temperature
12. HOLD Button
Press this button to lock or unlock the keyboard
13. SLEEP Button
Press this button to change to Sleep operation
14. FAN SPEED Button
Press this button to select fan speed
15. TIMER Programmable Button
Press this button to set automatically turn-on or turn-off operation
16. MODE Button
Press this button to select system operating mode. In cooling only system, the mode is selected in a sequence of Cool Dry Fan
17. SWING Button
Press the button to activate swing motor to distribute airflow
18. HOUR & MIN Button
These two buttons are used to set the current time or set time (only HOUR button) for programmable timer operation



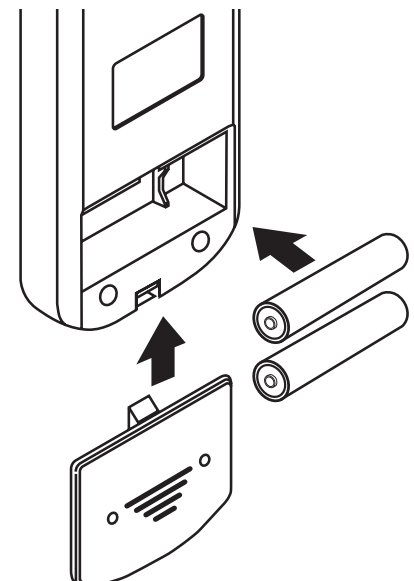
Battery: Two AAA batteries are used in this remote control unit

Installation of Batteries

1. Remove the cover from the back of the remote control.
2. Insert the two batteries into the slot. (Be sure that the + and - directions are correct.)
3. Fix the cover to the back of the remote control.

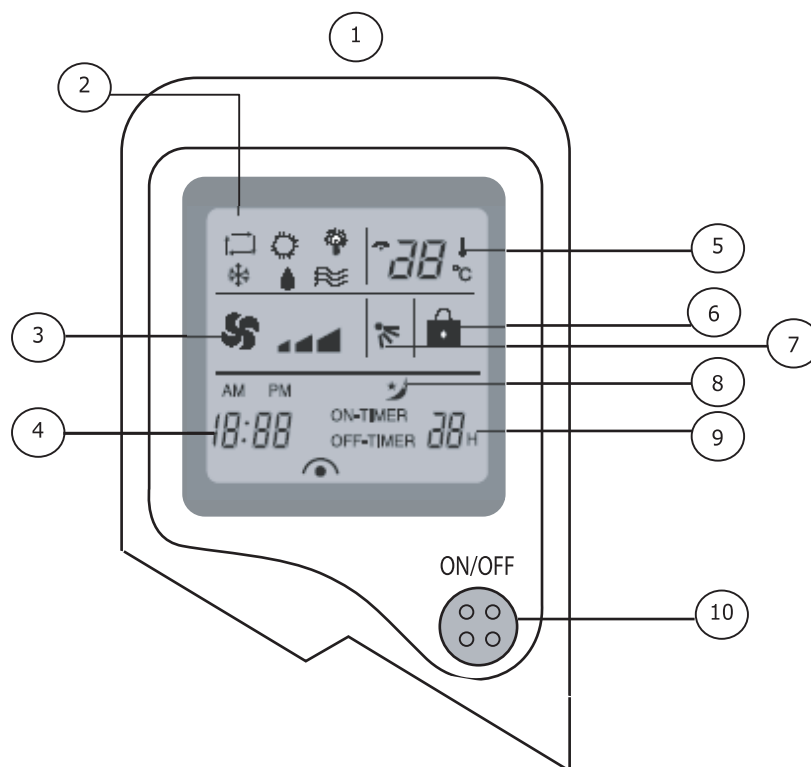
Cautions Regarding the Batteries

- The batteries can be used for approximately one year.
- Do not use rechargeable (Ni-Cd) batteries, because such batteries differ from standard dry cell batteries in shape, dimensions and performance.
- Be sure to replace the batteries with two new batteries of the same type as each other.
- Remove the batteries if the air conditioner is not going to be used for an extended period of time.






Control Operation

Indicators on Infrared Remote Control






System Operating Selection

FAN Only System Operation

- Press POWER button (the display panel shows the previous settings).
- Press MODE button to select the system operating mode, FAN mode will be shown on the display.
- Press FAN button to select any fan speed. The FAN display will show  LOW,  MED,  HIGH or AUTO according to fan speed level, low, medium, high and auto.

COOLING System Operation

- Press POWER button (the display panel shows the previous settings).
- Press MODE button to select the COOL operating mode, "COOL" mode will be shown on the display.
- Press either TEMP ▲ or TEMP ▼ button to set the desired room temperature. Temperature set range is 18 °C to 30 °C.
- Press FAN button to select any fan speed. The FAN display will show  LOW,  MED,  HIGH or AUTO according to fan speed level, low, medium, high and auto.

DRY System Operation

- Press POWER button (the display panel shows the previous settings).
- Press MODE button to select the DRY operating mode, "DRY" mode will be shown on the display.
- Press either TEMP ▲ or TEMP ▼ button to get the desired room temperature setting at the indication. Temperature set range is 18 °C to 30 °C.
- The system automatically cycle the compressor and fan (low speed) to remove moisture from the air without overcooling the room.

Timer Operation

Once you select the timer operation, the settings are saved in the remote control. Thereafter, the air conditioner will start operating under the same conditions when you simply push the POWER button of the remote control.

Setting STOP Timer

You can set the STOP timer to stop the unit automatically at any desired time up to 24 hour ahead.

Setting Auto-Stop Timer

You can set the stop timer to stop...

- During the operation of the air-conditioner, press the TIMER button and the air conditioner will enable stop timer to automatically turn off the unit
- Press the HOUR button to set the time you want to turn off the unit. Every time the button is pressed, hour indicator will be increased by 1 hour
- After the time is set, the digits shown on the display screen will go down by 1 for every elapsed hour
- Press the TIMER button again to cancel timer

Setting START Timer

You can set the START timer to start the unit automatically at any desired time up to 24 hour ahead.

Control Operation

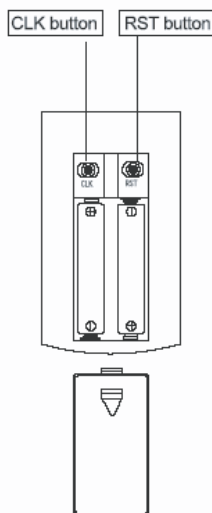
Setting Auto-Start Timer

You can set the stop timer to start...

- When the air-conditioner is in the standby mode, press the **TIMER** button and the air conditioner will enable start timer to automaticall turn on the unit
- Press the **HOUR** button to set the time you want to turn off the unit. Every time the button is pressed, hour indicator will be increased by 1 hour
- After the time is set, the digits shown on the display screen will go down by 1 for every elapsed hour
- Press the **TIMER** button again to cancel timer

Setting Clock

- Unload the back cover, push the **CLK** button with the tip of a ball pen, etc. Timer indicator will be flicking and can be set
- Press **HOUR** button to set correct hour
- Press **MIN** button to set correct minute
- Press **CLK** button again and reattach the back cover



Note: In case of power failure the **START/STOP** timer will be automatically cancelled as there is no electricity in the air-conditioner. (But the set time on the remote unit)

SLEEP Mode

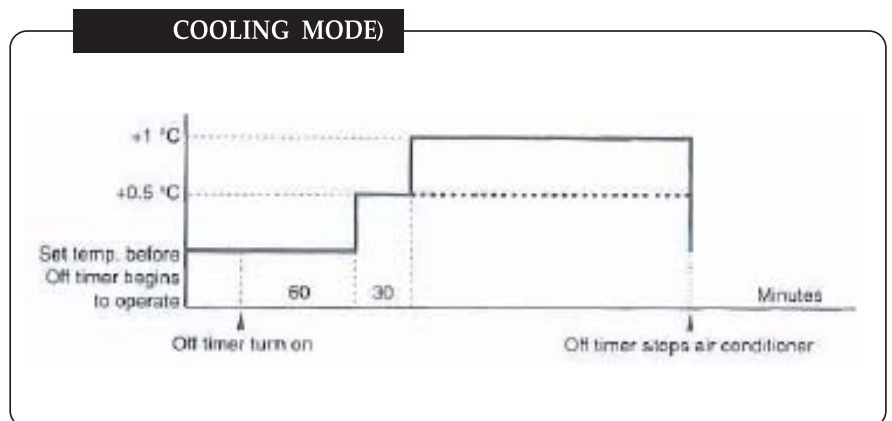
This feature automatically adjusts the temperature setting to provide more comfortable sleeping condition and save energy

- Press **SLEEP** button, one hour after pressing, the air conditioner will automatically raise the set temperature by 0.5 C
- Half an hour after, the air conditioner will automatically raise the set temperature by 0.5 C
- The air conditioner will automatically stop its operation in 8 hours

SWEEP Operation

The **SWEEP** function will operate in cooling mode to rapidly distribute conditioned air into the room.

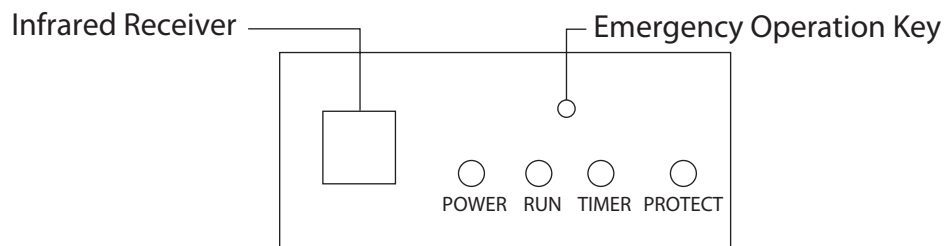
- After the unit has been turned on pressing the **SWING** button will swing the supply air grille back and forth to rapidly distribute and cool the room.
- If the unit is in **SWING** mode, pressing the **swing** button will remain the grille to the present position.
- Press the **POWER** button while the unit is in operation, will turn off the unit and the supply air grille will automatically close.



Control Operation

Display Unit

Four lamps on the display unit show operating status.



Emergency Operation Key

- This button can be used as emergency operation when remote controller is not available

POWER LED

- This lamp lights for showing power on/off status

RUN LED

- This lamp lights for showing operating status of the air-conditioner

TIMER LED

- This lamp lights for showing programmable timer status

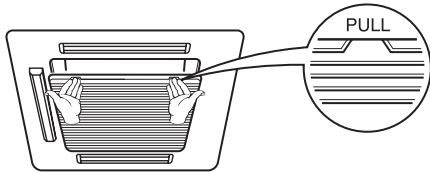
PROTECT LED

- This lamp lights for showing operating status failure

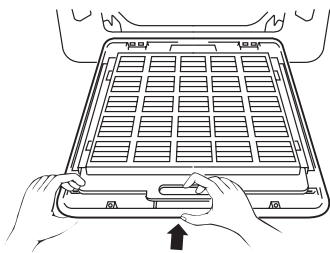
Maintenance

Replacing Air Purifying Filter (Option)

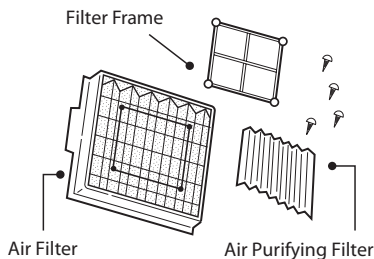
Replacement of air purifying filters. (recommend once every three months)



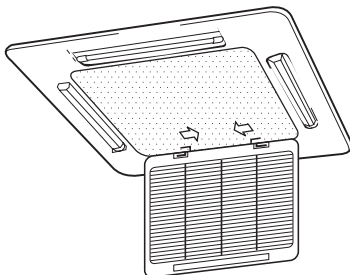
- Open the grille by pulling the latches from the front frame.



- Swing the grille open and remove the air filter out off the grille.



- Unscrew the filter frame and remove the air purifying filter from the filter frame.



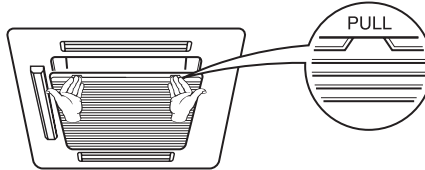
- Re-insert the air filter to the grille, swing up the grille until the latches click into the positions.

Information

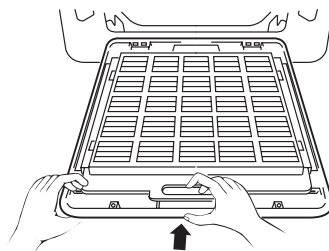
- Airflow volume is reduced when an air purifying filter have been installed.

Cleaning the Air Filters

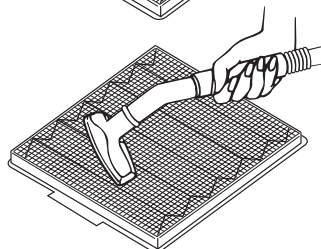
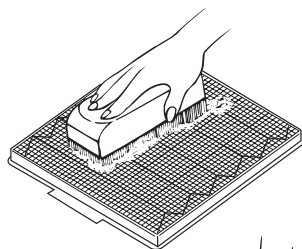
Before inspection and maintenance of the unit, always set the main power switch to "OFF" to cut off power supply.



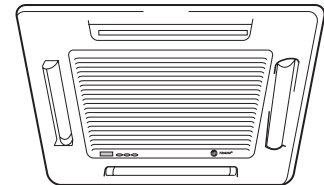
- Unclip the grille from the front frame by pull the latches from the front frame.



- Swing the grille open and remove the air filter out off the grille.



- Remove the air filter and clean by vacuum cleaner or if it is very dirty, wash it with soap water then wipe off unit it is completely dry before reinstallation.



- Swing up the grille until the latches click into the positions.

Cleaning the Unit

Clean the air conditioner and the remote control with dry cloth or a vacuum cleaner. If damp cloth is used, remove moisture by using dry cloth afterward.

At the Start of the Season

- Check that nothing blocks the air inlet and outlet of indoor and outdoor units.
- Running the unit without an air filter can cause malfunctions due to dirt or dust. Always install an air filter at all times.
- Check that a drainage hose does not bend or clog.
- Check that the units are properly installed.

During the Off Season

- Cut off the power supply main switch.
- Clean the air filter and other parts.
- Leave the circulation fan running for 2-3 hours to dry out the inside of the unit.

Suggestion:

- If the filter is dirty, it will cause the reduction of airflow, the unit is overload and consume 6% more of electricity. So, regular cleaning is necessary.

System Operation

- The temperature should not be set lower than what you need. This would result to increase energy cost.
- Clean the air filter every week for higher efficiency.
- Draw close curtains or close glass windows when cooling to prevent heat load from sun light which may cause more electricity cost.
- To distribute cool air through out the room, adjust air flow direction to diffuse cool air.
- Close windows and doors while operating the unit to prevent leakage of cooled air to save energy.
- In case of ineffective ventilation, open the window to ventilate the room air once in a while but not too long since cooled air will be uselessly drained out.
- Check electrical system (voltage and frequency). Use the proper power supply indicated on the unit to operate the air conditioner and only fuses with specified capacity. Do not use pieces of wire instead of fuse.
- Do not insert objects into the air inlet or outlet when the air conditioner is running as it may cause damage or personal injury.
- Do not channel the air flow directly at people, especially infants, aged persons, or patients.
- Turn off the air conditioner if, while running electricity interference occurs. If the unit is not to be used for a long time, cut off the power supply main switch.
- Do not locate any obstacles against the air flow direction of indoor and outdoor units. Inefficient performance or malfunction may result.
- Do not locate a heater or any other heat sources close to the unit. The heat may deform the plastic parts.

Troubleshooting

Check the following before contact the service man. You may find the solution to your problems. After checking, if it still does not operate, please contact your local dealer.

Problem	Causes
No operatio	<ul style="list-style-type: none"> • Check if electrical wire is damaged & check if breaker switch is still on. • Check if the power supply is in order. • Check if the timer switch is on or not.
The air conditioner runs but does not cool enough.	<ul style="list-style-type: none"> • Check if the preset temperature is too high. • Check if the sunlight shines directly into the room. • Check if the door and window are opened. • Check if there is anything obstructing the air discharge. • Check if the exhaust fan still operates. • Check if the air filter is dirty or clogged.
Vapor or mist fume coming out of the unit while running.	<ul style="list-style-type: none"> • Hot air in the room mixes with cool air. This causes smoke fume.
Inoperative remote control.	<ul style="list-style-type: none"> • Loosened or disconnected wire between the unit and the remote control • Check if the batteries are inserted in correct directions. • Check if the batteries are exhausted or not.



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Stocking Location: Bangkok , Thailand

Trane has a policy of continuous product and product data implement and reserves the right to change design and specifications without notice.