LG

LG
Ducted Split Type Air Conditioner
OWNER'S MANUAL

Model : LN-1201QCM

ENGLISH

LG

IMPORTANT

Please read through this manual. It contains valuable information about your air conditioner. This manual may help save time and money by explaining proper product maintenance and preventing improper use.

PRECAUTIONS

Pay close attention to precautions in order to prevent potential hazards and damage from misuse or improper installation. LG is not responsible for any damages caused by misuse of the product.

Ducted Split Type Air Conditioner Owner's Manual

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1. Safety Precautions

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For Your Records

Write the model and serial numbers here:

Model # _____

Serial # _____

Also note down the following :

Dealer's Name _____

Date Purchased _____

Read This Manual

Inside you will find many helpful hints on how to use and maintain your air conditioner properly. Just a little preventive care on your part can save you a great deal of time and money over the life of your air conditioner.

You'll find many answers to common problems in the chart of troubleshooting tips. If you review our chart of ***Troubleshooting Tips*** *first, you may not need to call for service at all.*

CAUTION

- *Contact the authorized service technician for repair or maintenance of this unit.*
- *Contact the installer for installation of this unit.*
- *The air conditioner is not intended for use by young children or invalids without supervision.*
- *Young children should be supervised to ensure that they do not play with the air conditioner.*
- *When the power cord is to be replaced, replacement work shall be performed by authorized personnel only.*
- *Installation work must be performed in accordance with the national wiring standards by authorized personnel only.*

Precautions

To prevent injury and property damage, follow these instructions.

⚠ Incorrect operation due to ignoring instructions will cause harm or damage, the seriousness of which is indicated by the following symbols.

⚠ ***WARNING***	This symbol shows the possibility of death or serious injury.
⚠ ***CAUTION***	This symbol indicates the possibility of injury or damage to property.

⊘	***Never Do This***
❗	***Always Do This***

Installation precautions

⚠ *WARNING*

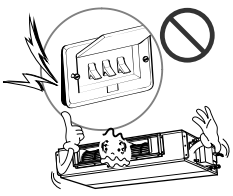
■ Do not install, remove and reinstall the unit by yourself.
- Improper installation will cause water leakage, electrical shock, or fire. Please consult authorized dealer or specialist for the installation work. Please note fault caused by improper installation is not covered by warranty.
- Unit must be installed in an easily accessible area. Any additional cost required to hire a special equipment to service the unit will be the responsibility of the customer.

⚠WARNING

■ Installation

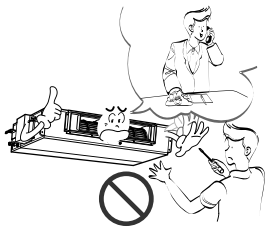
Do not use a defective or underrated circuit breaker. Use this appliance on a dedicated circuit.

- There is risk of fire or electric shock.



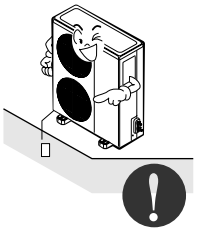
For electrical work, contact the dealer, seller, a qualified electrician, or an Authorized Service Center.

- Do not disassemble or repair the product. There is risk of fire or electric shock.



Always ground the product.

- There is risk of fire or electric shock.



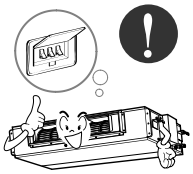
Install the panel and the cover of control box securely.

- There is risk of fire or electric shock.



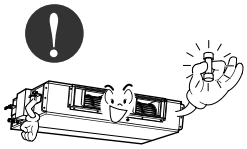
Always install a dedicated circuit and breaker.

- Improper wiring or installation may cause fire or electric shock



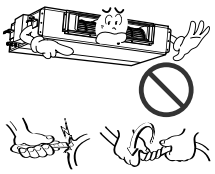
Use the correctly rated breaker or fuse.

- There is risk of fire or electric shock.



Do not modify or extend the power cable.

- There is risk of fire or electric shock.



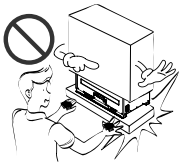
Do not install, remove, or re-install the unit by yourself (customer).

- There is risk of fire, electric shock, explosion, or injury.



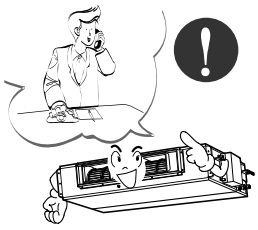
Be cautious when unpacking and installing the product.

- Sharp edges could cause injury. Be especially careful of the case edges and the fins on the condenser and evaporator.



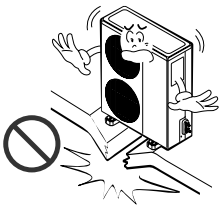
For installation, always contact the dealer or an Authorized Service Center.

- There is risk of fire, electric shock, explosion, or injury.



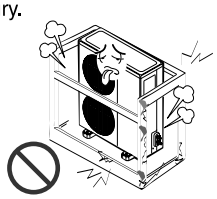
Do not install the product on a defective installation stand.

- It may cause injury, accident, or damage to the product.



Be sure the installation area does not deteriorate with age.

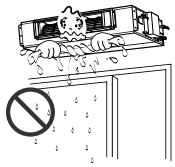
- If the base collapses, the air conditioner could fall with it, causing property damage, product failure, and personal injury.



■ Operation

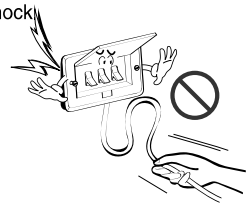
Do not let the air conditioner run for a long time when the humidity is very high and a door or a window is left open.

• Moisture may condense and wet or damage furniture.



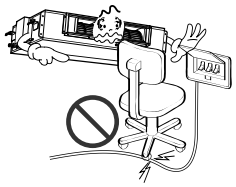
Take care to ensure that power cable could not be pulled out or damaged during operation.

• There is risk of fire or electric shock.



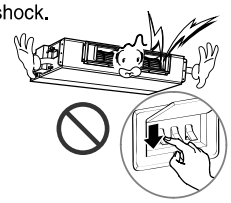
Do not place anything on the power cable.

• There is risk of fire or electric shock.



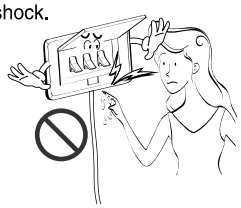
Do not plug or unplug the power supply plug during operation.

• There is risk of fire or electric shock.



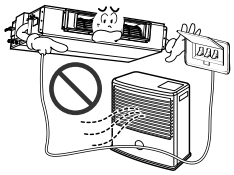
Do not touch(operate) the product with wet hands.

• There is risk of fire or electrical shock.



Do not place a heater or other appliances near the power cable.

• There is risk of fire and electric shock.



Do not allow water to run into electric parts.

• It may cause There is risk of fire, failure of the product, or electric shock.



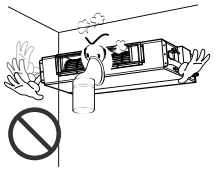
Do not store or use flammable gas or combustibles near the product.

• There is risk of fire or failure of product.



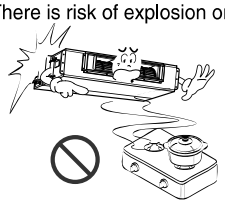
Do not use the product in a tightly closed space for a long time.

• Oxygen deficiency could occur.



When flammable gas leaks, turn off the gas and open a window for ventilation before turn the product on.

• Do not use the telephone or turn switches on or off. There is risk of explosion or fire



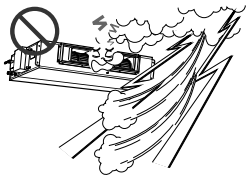
If strange sounds, or small or smoke comes from product. Turn the breaker off or disconnect the power supply cable.

• There is risk of electric shock or fire.



Stop operation and close the window in storm or hurricane. If possible, remove the product from the window before the hurricane arrives.

• There is risk of property damage, failure of product, or electric shock.



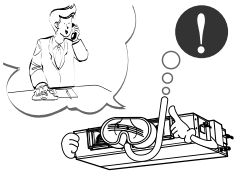
Do not open the inlet grill of the product during operation. (Do not touch the electrostatic filter, if the unit is so equipped.)

- There is risk of physical injury, electric shock, or product failure.



When the product is soaked (flooded or submerged), contact an Authorized Service Center.

- There is risk of fire or electric shock.



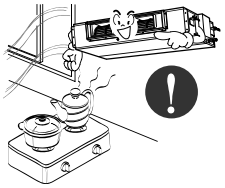
Be cautious that water could not enter the product.

- There is risk of fire, electric shock, or product damage.



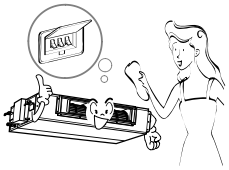
Ventilate the product from time to time when operating it together with a stove, etc.

- There is risk of fire or electric shock.



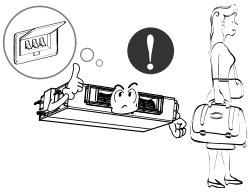
Turn the main power off when cleaning or maintaining the product.

- There is risk of electric shock.



When the product is not be used for a long time, disconnect the power supply plug or turn off the breaker.

- There is risk of product damage or failure, or unintended operation.



Take care to ensure that nobody could step on or fall onto the outdoor unit.

- This could result in personal injury and product damage.

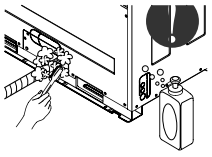


⚠CAUTION

■ Installation

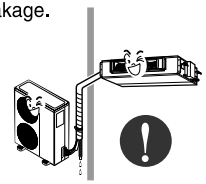
Always check for gas (refrigerant) leakage after installation or repair of product.

- Low refrigerant levels may cause failure of product.



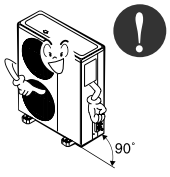
Install the drain hose to ensure that water is drained away properly.

- A bad connection may cause water leakage.



Keep level even when installing the product.

- To avoid vibration or water leakage.



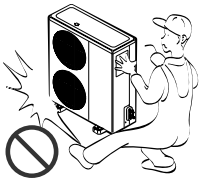
Do not install the product where the noise or hot air from the outdoor unit could damage the neighborhoods.

• It may cause a problem for your neighbors.



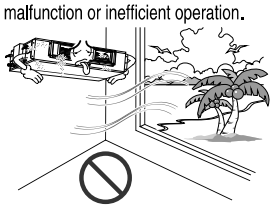
Use two or more people to lift and transport the product.

• Avoid personal injury.



Do not install the product where it will be exposed to sea wind (salt spray) directly.

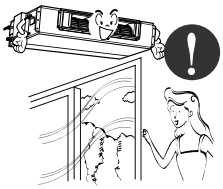
• It may cause corrosion on the product. Corrosion, particularly on the condenser and evaporator fins, could cause product malfunction or inefficient operation.



■ Operation

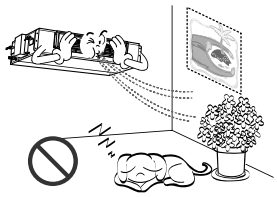
Do not expose the skin directly to cool air for long periods of time. (Don't sit in the draft.)

• This could harm to your health.



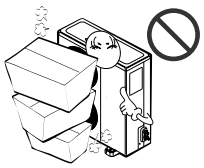
Do not use the product for special purposes, such as preserving foods, works of art, etc. It is a consumer air conditioner, not a precision refrigeration system.

• There is risk of damage or loss of property.



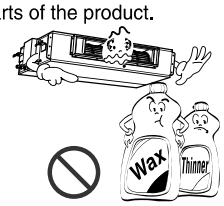
Do not block the inlet or outlet of air flow.

• It may cause product failure.



Use a soft cloth to clean. Do not use harsh detergents, solvents, etc.

• There is risk of fire, electric shock, or damage to the plastic parts of the product.



Do not touch the metal parts of the product when removing the air filter. They are very sharp!

• There is risk of personal injury.



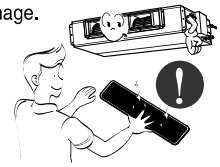
Do not step on or put anyting on the product. (outdoor units)

• There is risk of personal injury and failure of product.



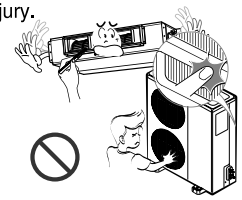
Always insert the filter securely. Clean the filter every two weeks or more often if necessary.

• A dirty filter reduces the efficiency of the air conditioner and could cause product malfunction or damage.



Do not insert hands or other objects through the air inlet or outlet while the product is operated.

• There are sharp and moving parts that could cause personal injury.



Do not drink the water drained from the product.

• It is not sanitary and could cause serious health issues.



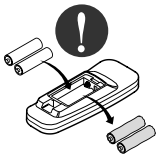
Use a firm stool or ladder when cleaning or maintaining the product.

• Be careful and avoid personal injury.



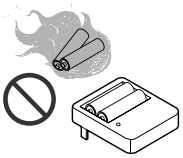
Replace the all batteries in the remote control with new ones of the same type. Do not mix old and new batteries or different types of batteries.

• There is risk of fire or explosion



Do not recharge or disassemble the batteries. Do not dispose of batteries in a fire.

• They may burn or explode.



If the liquid from the batteries gets onto your skin or clothes, wash it well with clean water. Do not use the remote if the batteries have leaked.

• The chemicals in batteries could cause burns or other health hazards.



Prior to Operation

Preparing for operation

1. Contact an installation specialist for installation.
2. Use a dedicated circuit.

Usage

1. Being exposed to direct airflow for an extended period of time could be hazardous to your health. Do not expose occupants, pets, or plants to direct airflow for extended periods of time.
2. Due to the possibility of oxygen deficiency, ventilate the room when used together with stoves or other heating devices.
3. Do not use this air conditioner for non-specified special purposes (e.g. preserving precision devices, food, pets, plants, and art objects). Such usage could damage the items.

Cleaning and maintenance

1. Do not touch the metal parts of the unit when removing the filter. Injuries can occur when handling sharp metal edges.
2. Do not use water to clean inside the air conditioner. Exposure to water can destroy the insulation, leading to possible electric shock.
3. When cleaning the unit, first make sure that the power and breaker are turned off. The fan rotates at a very high speed during operation. There is a possibility of injury if the unit's power is accidentally triggered on while cleaning inner parts of the unit.

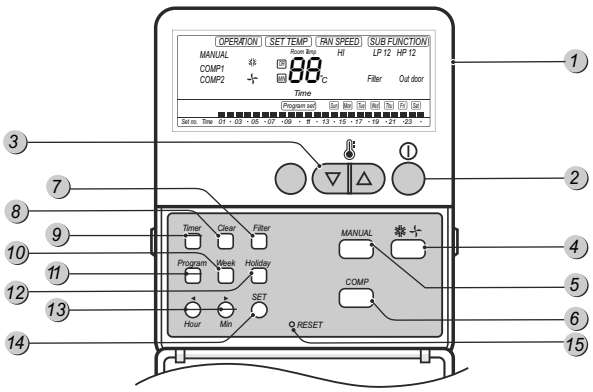
Service

For repair and maintenance, contact your authorized service dealer.

Operating Instructions

Name and Function of Remote Controller

Remote Controller



LN-1201QCM

1 *Operation display*
Displays the operation conditions.

2 *On/Off Button*
Operation starts when this button is pressed, and stops when the button is pressed again.

3 *Set Temperature Button*
Used to set the temperature.

4 *Operation Mode Selection Button*
Used to select the operation mode.
- *Fan Operation Mode.*
- *Cooling Operation Mode.*

5 *Manual Mode Selection Button*
Used to run according to the need of selection of compressors.

6 *Compressor Selection Button*
Used to select one, two or three compressors.

7 *Filter Button*
To reset Filter Cleaning Indicator.

** Use the Remote buttons softly and slowly to give proper command to MICOM.*

8 *Clear Button*
Used to cancel the different program settings.

9 *Timer Set Button*
Used to set the airconditioner ON/OFF at particular time which depends upon whether machine is On or Off.

10 *Week Button*
Used to set the day of the week, to make AC OFF on that particular day.

11 *Program Button*
Used to set the weekly programming.

12 *Holiday Button*
Used to set a holiday of the week.

13 *Hour/Minute Selection Button*
Used to set the time of the day and change the time in the weekly timer Function.

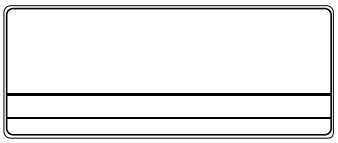
14 *Set Button*
Used to set the different program settings.

15 *Reset Button*
Used to set the current time and clear the setting time.

Set the Current Time and a day of the Week

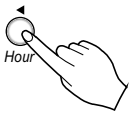
1 *Press the ' RESET ' button.*
If you want to reset the current time and a day of the week, click the Reset button.





2 *Press the ' Hour ' button.*

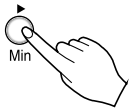
Each time the button is pressed, the number is changed. Selection of numbers from 00 to 23 is possible.
You can set the number of the current hour.

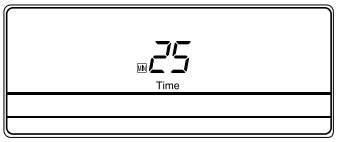




3 *Press the ' Min ' button.*

Each time the button is pressed, the number is changed. Selection of numbers from 00 to 59 is possible
You can set the number of the current minute.

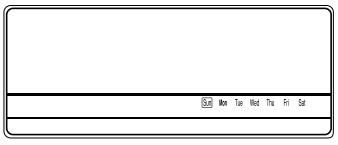




4 *Press ' Week ' button.*

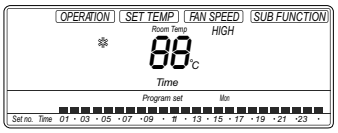
Each time the button is pressed, a day of the week is shifted from Sunday to Saturday.
You can set the day of the week.





5 *Press ' Set ' button to set the current time and day of the week.*

If you want to reset the current time and day of the week, press the Reset Button again and repeat the above steps.



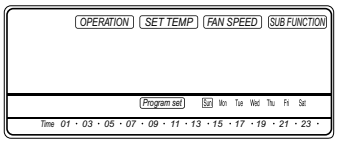
ENGLISH

Weekly Programming

1 *Press the Program button to start the weekly programming.*

The remote controller is displayed like a picture. Then Program set *',* Sun *' and '01' is blinked. The "Program Set" will appear on LCD display.*





2 *Press the '* Week *' button.*

Press Week *button repeatedly until desired day appears.*

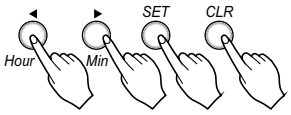
For example, if you want Thu, press Week *button 4 times.*

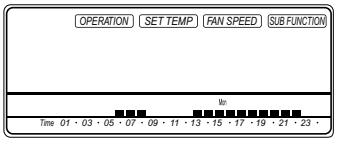


3 *Change the time setting until the desired time is obtained.*
For this operation press the Set or Clear button one or more times.

Set button means to switch ON.
Clear button means to switch OFF.

To move forward press "Min" key.
To move backward press "Hour" key.





** For example, if the air-conditioner is ON for 6,7,8 and 13~22 o'clock.*
So for the rest hours, the machine will be OFF.

4 *Press the Program button again to finish weekly programmining.*



For example, the air-conditioner is on 6th,7th,8th,10th & 11th hours to remain ON and for the rest hours, turned OFF on Monday. Following steps should be followed :

1. *Press Program button*
2. *Press Week button and select the day (Monday).*
3. *By pressing* Min *key, select 6th hour. Solid bar will blink on 6th hour. By pressing "Set" button you can set the 6th hour. Do same for the 7th, 8th, 10th and 11th hour.*
4. *Press Program button finally to set the above day.*

** To cancel the set hour press* Hour *button to reach upto that set hour and then press "Clear" button.*

** Black Bars indicate turn ON time and if there is no bar, it indicates OFF time.*

Weekly Programming

If the person has not to set the remote controller in weekly programming mode then he can cancel the weekly programming by following operations

1 *To disable the weekly programming, press the following button*



If the person has to return back in weekly programming mode then he should follow the below mentioned operation.

2 *To enable the weekly programming, press the following button.*



Holiday Setting

If Tuesday is a holiday in this week, you may set a holiday.

1 *Press the Program button.*



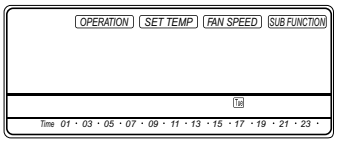
2 *Press the Week button as many times to select Tuesday.*



3 *Press the Holiday button.*



Then the remote controller will be displayed ' Tue *'.*
The outside rectangular means holiday.



4 *Press the Program button again to finish holiday setting.*



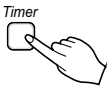
5 *To cancel the Holiday programming, press the "Holiday" button again.*

NOTE : The Holiday will be set permanantly unless and until the user disable it.

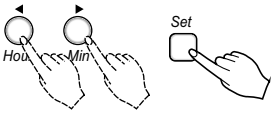
Timer Setting

This function is used to turn on or turn off at specific hours of the respective day.

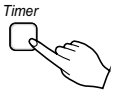
1. *Press the Timer button to turn Timer on or off.*



2. *Change the timer setting until the desired time is set. After you have selected the time, press "Set" button.*



3. *If you want to cancel the timer setting, press the Timer button twice.*



** On providing the same time for "Timer" and "Weekly Programming", the last command given will be the default command.*

On / Off Settings

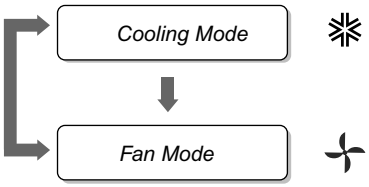
1 *Press the On/Off Button.*



2 *If machine is On/Off by the Remote, then it will take the previous memory settings.*

3 *On/Off (Main Power Supply)*
In this mode Set Temperature will be 18°C by default.

Operation Mode



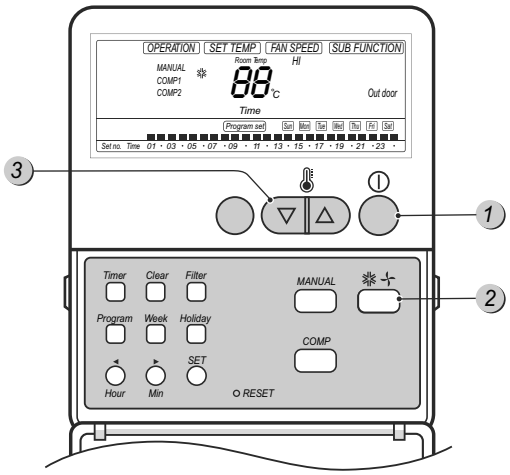
Cooling Mode

Operation Procedure :

1st *On/Off Button*

2nd *Mode Selection Button to enter in Cooling Mode ( )*

3rd *Room Temperature Setting Button*



In cooling mode Display shows -
Room Temperature, Indoor Fan Speed,
Compressor Status, Cooling Mode symbol.

Temperature can be set between 18°C ~ 30°C.

Fan Mode

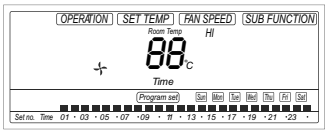
In this mode only FAN runs at high speed and compressors get OFF automatically.
In FAN mode, Display shows - Fan Speed & Fan Mode Symbol.

1 *Press the On/Off Button.*



2 *Press Mode Selection Button to enter in Fan Mode ( ).*
In this mode, Display will be as shown here.

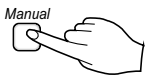


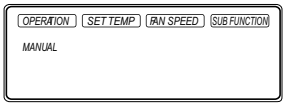


Manual Operation

Manual Operation is usually done according to the need of selection of compressors to run.
**Remote Display may show outdoor signal but compressor will start only after three minutes (approx).*

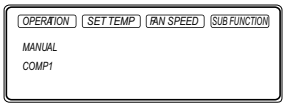
1 *By pressing the Manual Button display shows*





2 *Then press Comp Button to select the compressor from Comp1 ~ Comp2.*
Comp1 will start blinking

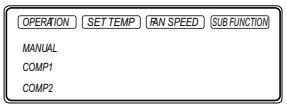




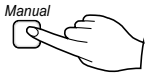
**The user can select between Comp1 & Comp2 in LN-1201QCM*

3 *Press "Set" button to fix the COMP. On each time by pressing this button cursor will move to the next COMP.*

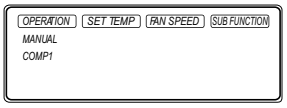




4 *To cancel the Manual Operation, we have to press the Manual Button twice.*



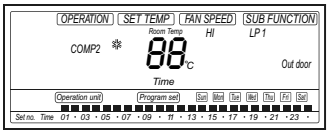
For eg. if we have to run Comp1, Press the Manual Button and press Comp Button later which shows COMP1 on the screen in blinking form for which we have to press the Set Button Set. On each time by pressing Comp Button cursor moves to the next compressor.

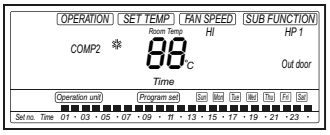


Safety Device (LP - HP Operation)

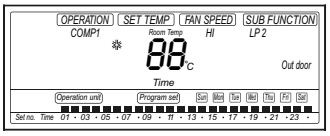
Used for the protection of compressors. LP and HP switch works according to gas pressure.

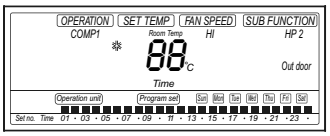
Indication	Problem	Action
LP1	Low gas pressure in Comp1	Comp1 get switch OFF
HP1	High gas pressure in Comp1	Comp1 get switch OFF





Indication	Problem	Action
LP2	Low gas pressure in Comp2	Comp2 get switch OFF
HP2	High gas pressure in Comp2	Comp2 get switch OFF

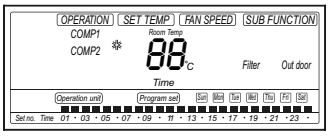




Filter

This function glows after 240 hours.
Display shows the Filter symbol continuously
by pressing the filter button again we can reset it.

Note : When this "Filter" symbol comes on LCD display
filter has to be cleaned.



Child Lock Function

This is the Function to avoid children interference with airconditioner operation control.

Operation procedure

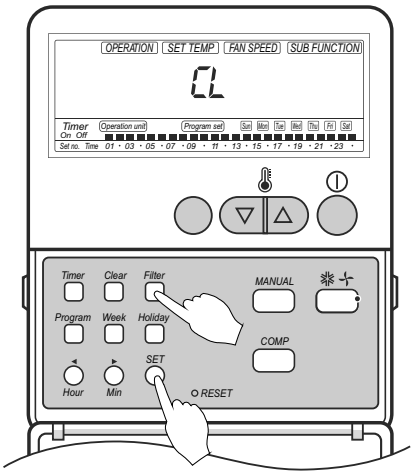
1 ***To set the Child-Lock Function***

Press the 'Filter' button then 'Set' button. Then theoperation mode shift to child lock mode and it is displayed 'CL' in the operation display.

When you press any button in this time, the remote controller displays 'CL' only ON/OFF key available.

2 ***To cancel the Child-Lock Function***

Press the 'Filter' button then 'Clear' button. Then the child-lock mode is cancelled and the preselected mode is displayed in the remote controller.





P/No.: 3828A30171A

After reading this manual, keep it in a place easily accessible to the user for future reference.