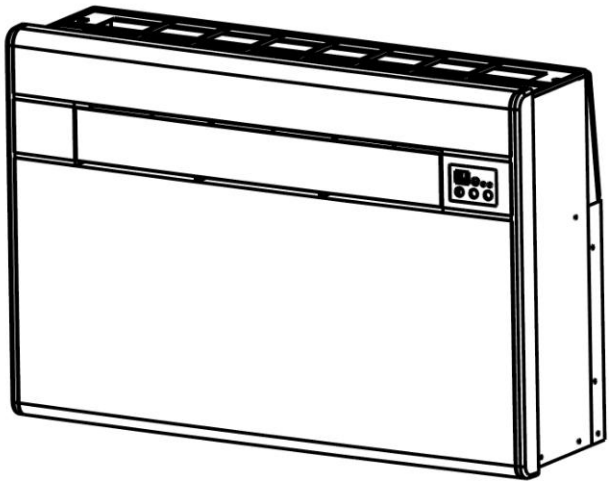
WALL MOUNTED AIR CONDTIONER
COOLING & HEATING
Model: DXAC-09



PLEASE READ THIS INSTRUCTION MANUAL
BEFORE OPERATING AND KEEP
SAFE FOR FUTURE REFERENCE

`CONTENT

A. SPECIFICATION

Model		DXAC-09	
Capacity(W)	Cooling Capacity (27^{O}C/19^{O}C)（BTU/HR)	2400W	2400W
	Heating Capacity (20^{O}C/15^{O}C)（BTU/HR)	2400W	2400W
Power (W)	Absorbed power input in cooling(watts)	1020	910
	Absorbed current in cooling (A)	4.5	4
	Absorbed power input in heating(watts)	850	760
	Absorbed current in heating (A)	3.8	3.3
Working Condition （℃）		≤35	≤35
Dehumidifying Capacity (L/day)		30	30
Air flow (High speed) (m^3/h)		420	420
Rated Voltage (V)		220-240V /50Hz	220-240V/50Hz
Noise Level (dB)		≤45	≤45
Refrigerant		R410A	R290
Net Weight(KG) (not includes accessories)		33.5	33.5
Goss Weight (KG)		37.5	37.5
Dimension	Body (mm)	533*800*240	533*800*240
H/W/D	Package (mm)	640*1030*340	640*1030*340
capacity of container	1*20GP	117 Sets	117 sets
	1*40HQ	316 Sets	316 sets

*** Use Type V1 remote controller only**

Notes:

1. Cooling capacity is measured at ambient temperature Dry-bulb 27^{O}C, Wet-bulb 19^{O}C.
2. Heating capacity is measured at ambient temperature Dry-bulb 20^{O}C, Wet-bulb 15 ^{O}C

B. BEFORE USE

- Transport & store the unit in an upright position only. Leave it in an upright position for at least 3 hours before first use.
- DO NOT dispose of any packaging until the installation of the air conditioner is completed.
- After having removed the packing, check that all the content is intact and complete. (See list of accessories). In the event of missing parts, contact your retailer.
- This air conditioner has been designed to cool or heat the air of a room and should only used for the purpose.
- The manufacturer cannot be held liable for damage caused to property or injury to persons or animals due to incorrect installation, regulation and maintenance or improper use.
- This air conditioner contains R410A refrigerant: at the end of its life, the disposal of this air conditioner must be in accordance with the strict regulation governing the recycling of this product, please operate with caution during the disposal. Please contact your local authority for regulatory advice.
- DO NOT switch on before having totally assembled the air conditioner and before installing in its correct operating position.
- This unit builds with self-diagnostic function. Approximate 1 minute delay in initial power connection.

C. IMPORTANT SAFETY INSTRUCTIONS

- Always place the unit on an even, level surface.
- An opening in a window (in portable version only) or wall is required to accommodate the exhaust hose to expel the hot air.
- Ensure the unit is connected to an earthed power supply of the correct rating. (Refer to the rating label located at the back of the unit).
- The unit will cool when the room temperature is between 18°C~32°C depending on the thermostat setting.
- DO NOT tilt the unit, This will cause the water to splash out of the front when it is in operation.
- DO NOT cover or obstruct the appliance's inlet and outlet grilles.
- Your air conditioner has been designed to be used only in the home, office and similar conditions and should not be used for any other purpose.
- This unit is for indoor use only.
- Never unplug the air conditioner while it is working, this could damage the electronic circuits.
- DO NOT use the appliance in a wet room, such as a bathroom or laundry room to avoid the risk of electrical shocks.
- DO NOT bend or crush the warm air exhaust hose. (in portable version only)
- DO NOT sit or place articles on the appliance.
- DO NOT use the appliance with wet or damp hands.
- DO NOT let chemical substances come into contact with the appliance.
- DO NOT use the appliance in the presence of flammable substances or vapours such as alcohol, insecticides, petrol, etc.
- DO NOT use the plug to start and stop the appliance. ALWAYS use the intended control panel to start and stop the unit.
- ALWAYS turn off the appliance when it is not in use and remove the mains plug from the socket outlet.
- ALWAYS turn the unit off and remove the mains plug before cleaning, carrying out maintenance or moving location.
- Do not pull the electrical cable or place it near a source of heat: always unroll it completely to avoid dangerous overheating. If the power cord becomes damaged, the service agent or a similarly qualified person must replace it, in order to avoid a hazard.
- The filter must be used with the product at all times, when removing it for clearing always turn the unit off and unplug the mains plug from the socket.
- Do not operate the unit with a damaged power cord or plug, after it malfunctions, has been dropped or damaged. If the power cord is damaged it must be replaced by the manufacturer or a qualified service engineer to avoid a hazard.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Energy Saving Tips

- Blocking of the filter reduces the efficiency of the air and increases its power consumption by up to 6%.
- Avoid opening doors frequently.
- Each person present in a room provides between 100 Watts and 150 Watts of heat. Consequently, the more people there are in a room, the less effective the unit will be in cooling.
- To ensure the optimal efficiency of the unit, we advise you to keep doors and windows closed, and to take into account the surface of the walls and windows exposed to the sun.
- Avoid the use of adapter plugs, multiple sockets and /or extension leads. If their use is necessary, ensure they conform to current safety standards.
- Before starting the appliance, check that it is correctly earthed, according the legislation in force in the country concerned.

READ AND SAVE THESE INSTRUCTIONS

PLEASE NOTE:

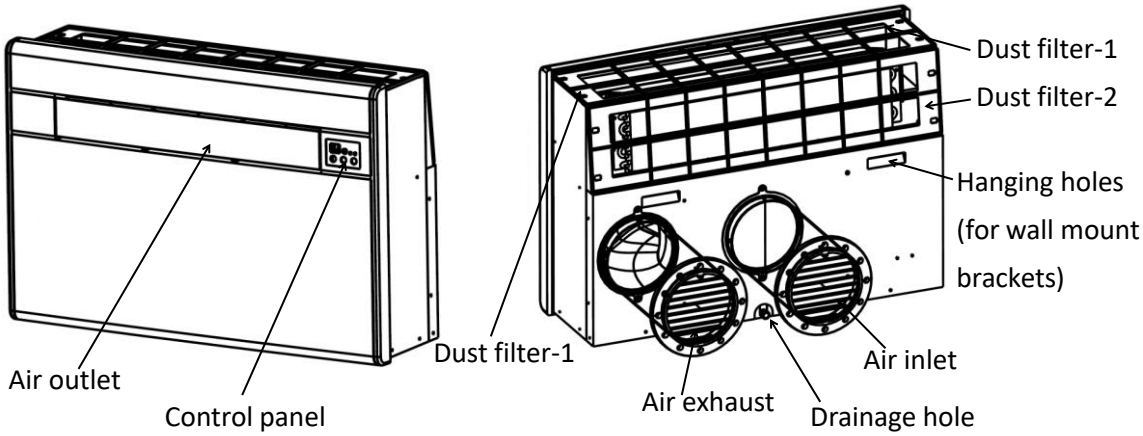
RECEIVING THE GOODS

- The air-conditioner is delivered in protective packaging and is accompanied by an instruction manual.
- This manual is an integral part of the air-conditioner and should therefore be carefully read and preserved.
- When the unit is unpacked, please check that the equipment and the accessory pack are complete and undamaged.

HANDLING

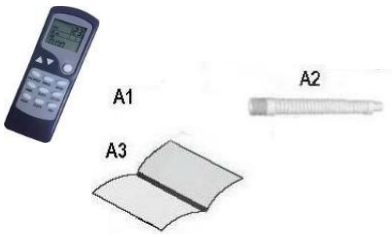
- Be fully aware of the weight of the unit before attempting to lift it. Take all necessary precautions to avoid damaging the product or causing personal injury.
- It is advisable to remove the packing only when the air conditioner has been located in the point of installation.
- Carefully remove the adhesive strips positioned on the air-conditioner.
- Packaging components must be disposed correctly and not left within reach of children, since they are a potential source of danger.

D. PRODUCT DESCRIPTION



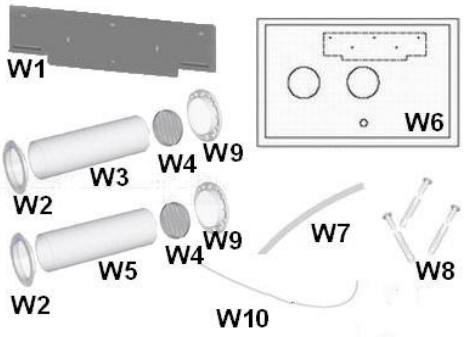
Standard accessories

A1. Remote control
A2. Drain hose
A3. User manual



Wall mounted kit:

W1. Wall bracket x 1pc
W2. Pipe flange x 2pcs
W3. Air intake pipe (dia.150mm) x 1pc
W4. External grating (Pre-installed) x 2pcs
W5. Hot air discharge pipe (dia.160mm) x 1pc
W6. Template for wall drilling x 1pc
W7. Extension condensate hose x 1pc
W8. Screw kit: ST4*10 x 4pcs
ST5*40 x 8pcs
Nylon anchor ∅5*40 x 8pcs
W9. Rubber grating ring x 2pcs
W10. Nylon cord

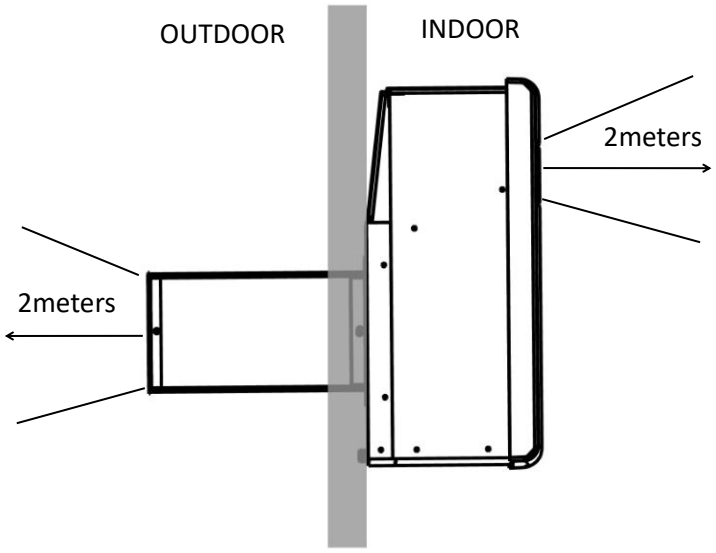


E. WALL MOUNTING INSTALLATION INSTRUCTIONS

1. Positioning the air conditioner

- To obtain maximum performance from your unit, it must be correctly positioned. Please following the guidelines and instructions below in full, as failure to do so could cause potential installation problems:
- The air conditioner must be installed on an exterior wall that has access to the outside and a minimum of 2 meters free clearance to allow good airflow
- The unit must be fitted following the template, with space to the top, bottom and sides of the unit.
- The wall on which the unit is installed must be sturdy and able to withstand the weight of the unit.

Attention: Install the unit at least 1 meter apart from ceiling to prevent air blockage



After determining the best place for installation as described above, please check to ensure that the wall can be drilled without causing damage to the fabric of the building. If necessary obtain professional advice to ensure that no damage is done to power supply or water pipes.

Please also ensure that there are no obstacles on the outside of the wall which may interfere with the performance of the unit.

2. Template

Fasten the template to the wall once the following guidelines have been thoroughly checked.

- Do not drill any holes until you are 100% confident that there are no obstacles in the area you wish to drill and there are no obstructions, which could be hidden by the construction of the wall, for example: Electrical wiring, water & gas pipes or supporting lintels or beams.
- Ensure that a spirit level is used, as the unit must be level.
- Follow the installation instructions & measurements in full.

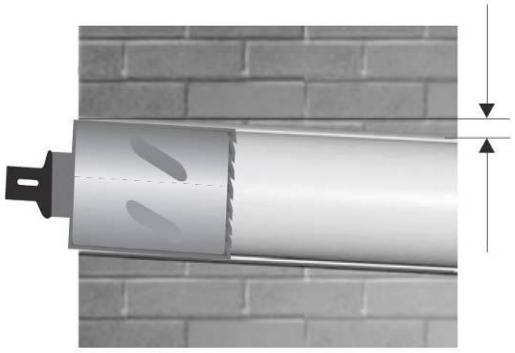
Important: Drilling Air intake/Discharge/Drainage holes

- It is recommended that the holes are drilled with a slight downward inclination of 3-5 degrees to prevent any backflow of water and make drainage easier.

3. Drilling the Wall

Please note: If you are drilling the hole above ground floor level, please ensure that the outside area is supervised until drilling has been completed.

1) INTAKE AND OUTLET HOLES



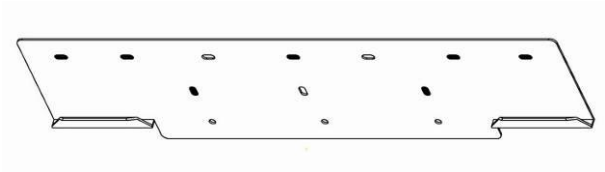
- This operation should be carried out using the proper tools (diamond tip or core bit drills with high twisting torque and adjustable rotation speed)
- Fasten the template to the wall taking care to check the distance from the floor and or ceiling and keep horizontal by using a spirit level.
- Use a pilot drill to mark the centre of each core hole to be drilled. Use a core boring head having a diameter of 135mm to drill the two holes for intake and outlet air
- It is recommended that the holes must have a slight downward inclination of 3-5 degrees to prevent any backflow of water from the pipes.

2) DRAINAGE

The unit produces condensate that has to be extracted to enable the unit to operate correctly. It is necessary to drill a hole through the wall measuring 30mm in diameter in the position shown in the template.

- It is recommended that the holes are drilled with a slight downward inclination of 3-5 degrees to prevent any backflow of water and make drainage easier.
- For this reason, it is essential for the drain line to have a minimum downward inclination of at least 3% throughout its length.

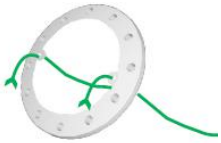
3) FASTENING THE BRACKET



- Drill the holes for anchoring the fastening bracket to the wall using the 6 holes showed in black on the template. If the wall is not sturdy enough it is advisable to use extra anchor bolts using the holes showed in grey on the template
- The anchor bolts provided require 8mm holes; the wall should be inspected to determine if provided bolts are sufficient. No liability can bee accepted by the manufacturer or his agent in case of underestimation of the structural consistency of the anchorage made at the time of installation.

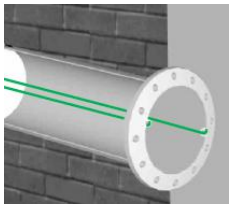
4. Installation of vent tubes

After drilling the holes, the rubber rings, the plastic pipes and the grids supplied with the air conditioner need to be fitted through them.
The pipe with a diameter 160mm (hot air discharge) has to be fitted in the right hole.
The length of the pipes should be matches to the thickness of the wall.



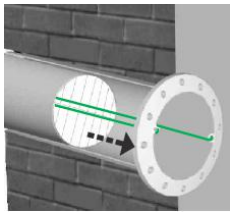
Take the rubber ring and insert the nylon cords through the hooks located on each side of the ring.

Fold the rubber ring in half, grasping the cords with your free hand.

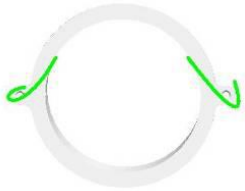


Insert your arm inside the wall with the ring and push all the way to the outside. Pull the nylon cords towards you and with a little manipulation the rubber ring will fit onto the exterior wall

If you are installing the unit at the ground floor level, you can simply install both the rubber rings from the outside, by screwing them directly to the exterior wall with 10mm screws , to prevent the rings removal.



Now take the pipe already fitted with the ring. Let the nylon cords pass through the pipe length and fit the pipe through the right hole you drilled previously, until it will fit in the rubber ring.



Fix flanges on wall with 10mm screws if necessary.

Then fix the flange assembly into the pipe and insert the tightened nylon cords to the dents on the internal flange.

IMPORTANT SUGGESTIONS:

Because the hot air discharge pipe diameter is nearly the same as the 165mm drill bit, the pipe is slightly tight fit into wall hole. If you experience any difficulties, use a small piece of timber & a rubber hammer to gently knock the tube into the hole.

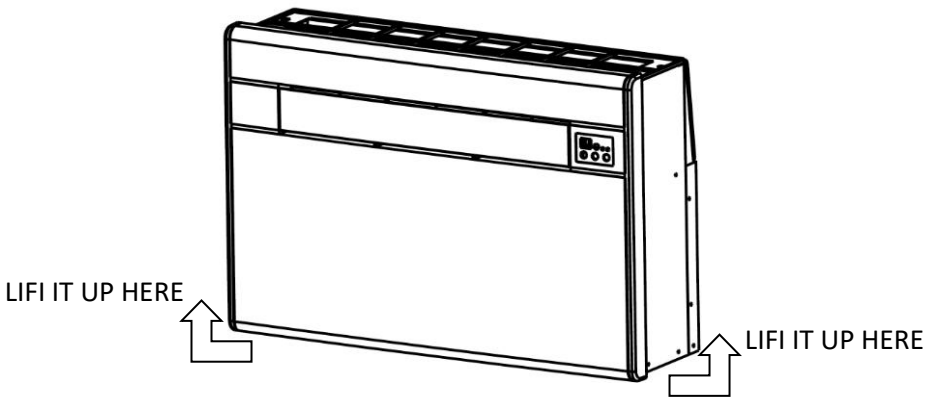
After the pipe has been installed through the wall, insulate and seal its perimeter to prevent air and humidity infiltration using polyurethane foam.

Use the same instructions to fit the left hand tube (air discharge pipe) and ring, using the other supplied pipe with diameter 150mm.

5. Fitting the unit on bracket

After checking again that the fastening bracket is securely fastened to the wall, and that any necessary preparations for electric connection and condensate drainage have been made, tilt the unit slightly towards you to aid the operation of fastening the unit onto the bracket. Fit the drainage pipe that protrudes from the back of the unit, which is then inserted in the drainage hole.

The air conditioner can now be pushed firmly against the wall. Carefully inspect the installation to ensure that the insulating back panel fits firmly against the wall and there are no gaps at the back of the air conditioner.



F. OPERATION INSTRUCTIONS

CONTROL PANEL

L1	Red light switched on: the unit is in standby
L2	Blue light switched on: compressor is ON

** shows room temperature when unit is running and shows corresponding setting when you press the control key. Display returns to room temperature after 5 seconds when no key is pressed and turns off after 3 minutes. Just press any key to re-active the temperature display.

Control Panel Functions

1) **On/Off**
Starts or Stops the Unit

2) **Mode**
Select the functions on the unit for:
Auto Mode: the **88** LED shows **AU**
Cooling Mode: the **88** LED shows **CO**
Dehumidifying Mode: the **88** LED shows **DE**
Fan Mode: the **88** LED shows **FA**
Heating Mode: **88** the LED shows **HE**

3) **Fan Speed Control**
Select the fan speed for:
High: the **88** LED shows **F1**
Medium: the **88** LED shows **F2**
Low: the **88** LED shows **F3**

4) **Temperature**
Press "**Mode**" button until "**CO**" or "**HE**" appears , Select the desired temperature by pressing either "**FAN**" button when using the unit in cooling or heating function or auto function. The LED flashes to display the desired temperature during setting and displays the room temperature after 5 seconds.

OPERATION USING CONTROL PANEL

1. **Cooling Operation**
   - Plug the power cord in to the power outlet socket
   - Turn on the unit by pressing the **ON/OFF** Button on the control panel.
   - Press **MODE** Button until **"CO"** appears on the LED display
   - Press **FAN** until the desired room temperature appears on the LED. The temperature ranges from 16ºC-31ºC.
   - Select desired fan speed by pressing the FAN Button.

NOTE: During hot days, the unit will cool off the room most efficiently by setting the temperature at the lowest and the fan speed at the highest.

2) **Dehumidifying Operation**
   - Plug the Power Cord into the power outlet socket.
   - Turn on the unit by pressing the **ON/OFF** Button on the control panel.
   - Press the **MODE** Button until the **"DE"** appears on the LED display.

NOTE: The unit operates at low fan speed during dehumidifying. The unit cools room slightly during dehumidification. Keep the windows and the doors closed to aid the effectiveness of the unit in removing moisture from the room. The unit will perform dehumidification for 10 minutes and then stop for 4 minutes when the room temperature is lower than 15^{O}C.

3) **Fan Operation**
   - Plug the Power Cord into the power outlet socket.
   - Turn on the unit by pressing the **ON/OFF** Button on the control panel.
   - Press the **MODE** Button until **"FA"** appears on the LED display.
   - Select the fan speed by pressing the **FAN** Button.

4) **Heating Operation**
   - Plug the Power Cord into the power outlet socket.
   - Turn on the unit by pressing the **ON/OFF** Button on the control panel.
   - Press the **MODE** Button until **"HE"** appears on the LED display.
   - Press the button **FAN** until the desired room temperature appears on the LED. The temperature ranges from 16ºC-31ºC.
   - Select the fan speed by pressing the Fan button. It is recommended to use the low fan.

NOTE: 1. When activating the heat pump, the unit will shut off for 3-5 minutes before starting the heating operation.

2. Electrical heater feature. When the room temperature is below 16^{o}C ,The electrical heater will automatically operate. The upper fan speed will be adjusted to minimum.

5) **Auto Operation**.

a) Turn on the unit by pressing the **ON/OFF** Button on the control panel.
b) Press the **MODE** Button until the **"AU"** appears on the LED display.
c) Select the fan speed by using **FAN** button.

During **AUTO** mode, the unit operates at heating mode when the room temperature is below 20°C. It operates at dehumidifying mode when the room temperature is between 20°C to 25°C. It operates in cooling mode when the room temperature is above 25°C. You may use the timer with the AUTO mode.

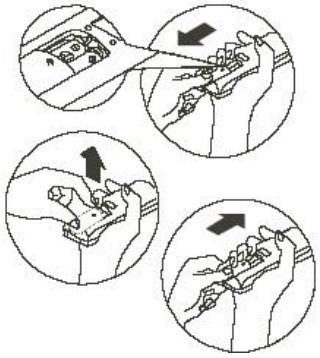
6) **Sleep Mode (This Mode is available when using Remote control)**

- The air conditioner is in operation
- Press **SLEEP** Button, the "  " appears on the Remote control display.
- The unit will switch to low speed after 2 hours.
- When in cooling mode, during the first two hours, the temperature will be increased 1°C per hour. The unit will then operate at 2°C higher than the originally set figure for 6 hours. The temperature will then return to the originally set figure
- When in heating mode, during the first two hours, temperature will be decreased 2°C per hour. Then temperature will be keeping at 4°C Lower than the original set figure for 6 hours. The temperature will then return to the originally set figure.
- When in dehumidify mode, the temperature will not be changed.

G. OPERATION USING REMOTE CONTROLLER

1. Initialization of remote control

   The remote control is designed for COOL only and COOL/HEAT model. In order to set the remote properly. Please initialize the remote control once batteries are inserted.



2. Remove the cover from the back of the remote control.
3. Insert two AAA dry-cell batteries (batteries not included). After inserting the batteries. The **COOL** and HEAT icon is flashing alternatively. Press **MODE** button when **HEAT** icon is show. The remote control is ready for use now.

   REMARK: If you unable to set **HEAT** mode by remote mode. Remove batteries then initialize the remote control again.
4. Insert the power plug into an outlet.
5. Always point the remote control signal transmitter toward the unit when operating.
6. Make sure that the signal path is not obstructed.
7. The maximum distance at which signals can be received is 8M.
8. Remove the batteries if the unit is not going to be used for an extended period of time.

A CHANGE IN THE FUNCTION IS USUALLY INDICATED BY A BEEP.

8. Do not abuse the remote control
9. Do not place the remote control in a location that is exposed to direct sunlight or next to a heating unit or other heat source.
10. Do not use rechargeable batteries because they differ from standard dry cell batteries in shape, dimension and performance.
11. Be sure to replace the batteries with two new batteries of the same type.

IMPORTANT: At the end of their life dispose of the batteries according to Local Authority regulations. Do not dispose of batteries with your normal household rubbish.

Remote control real time clock instructions

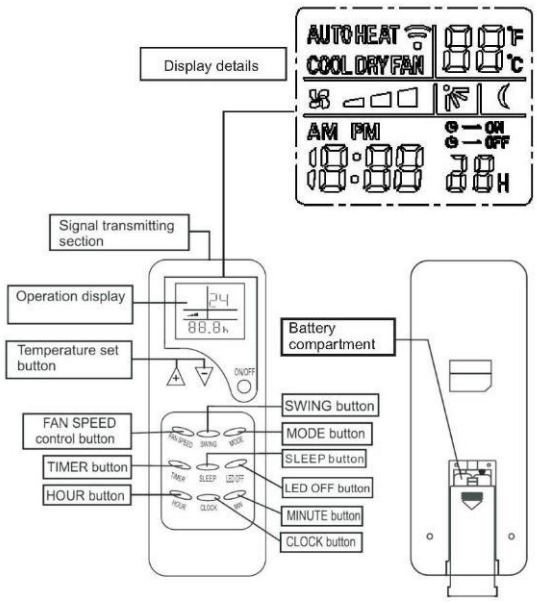
1. Press the **CLOCK** button.
2. Press the **HOUR** (hour) button and **MIN** (minute) button and adjust the correct time.
3. Press the **CLOCK** button again
4. The display will show the correct time.

5. Clock Time settings: HOUR and MIN

   To set the hours, press **HOUR** button once, the time will add 1 hour, continue to press this button, the clock will add by 1 hour until extended 11 hours, then will change to PM or AM and return to 0(12:00).
   To set the minutes, press **MIN** button once, the clock will add 1 minute, continue to press this button and the clock will add by 1 minute until extended to 59 minutes, the return 00.

   TO RESET ALL FUNCTIONS ON THE REMOTE CONTROL RE-INSERT BATTERIES.

REMOTE CONTROL FUNCTIONS



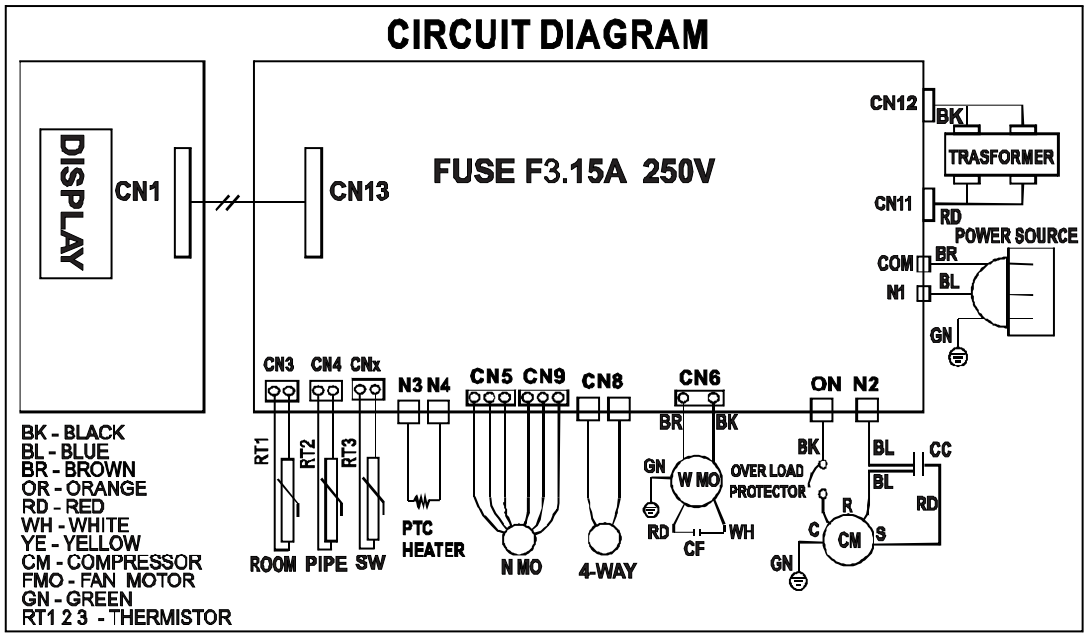
1. ON/OFF –Starts or Stops the Unit.
2. ▲WARM WARMER- Adjust to desired warm temperature.
3. ▼COOL COOLER – Adjust to desired cool temperature.
4. MODE – Select the functions of the unit for: Auto Mode, Cooling Mode, Dehumidifying Mode, Fan Mode and Heating Mode.
5. FAN – Select the fan speed desired: High
   Medium
   Low
6. SLEEP –To set the unit for sleep mode.
7. **SWING – To start swinging air louvers vertically by press SWING button once. To stop, press the SWING button again. Horizontal air flow direction can be adjusted manually.

Attention: SWING feature only for swing louvre. If you model is equipped the FIXED HEAD (A2) outlet. You can manually adjust the louvre direction

8. TIMER ON – To program the timer, press **TIMER** button until the LED display shows a flashing ON IH,to set automatic ON timer while the unit is ready.
9. TIMER OFF – Press **TIMER** button and the LED display will show a flashing OFF IH, to set automatic OFF timer while the unit is running.
10. HOUR–Press to set the desired hour setting.
11. MIN–Press to set the desired minute setting.

NOTE: ALL SETTINGS CAN BE VIEWED ON THE REMOTE DISPLAY

H. CIRCUIT DIAGRAM



I. MAINTENANCE

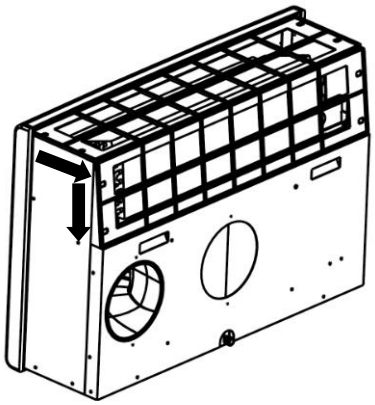
Note: Make sure power is off and the plug is pulled out of the power outlet before performing any maintenance activities.

WARNING: Shape fins behind the filter. DO NOT touch or hold the back of unit's filter area if filter is removed for clean.

1) Clean or replace filter

If the air filter is blocked with dust, the airflow volume will reduce. It is recommended that the filter be cleaned at least once every two weeks.

a) Pull up the filter from the filter compartment in the back of the unit.



b) Wash the air filter by immersing it gently into warm (about 40°C) water with a neutral detergent. Rinse the filter and dry it thoroughly in a shaded place.
c) Replace the filter back into the filter compartment after it is thoroughly dried.
d) If the filter is damaged or unusable, order a new filter by calling your local service agent or supplier.

2) Case

a. Keep the unit from being exposed directly to the sun to prevent color fading.
b. Clean the surface with a damp cloth. Dry it with a soft towel.

3) Storing the Unit for an Extended Period of Time or Transporting

a. Empty water by unplugging the water drainage stop at the back towards the bottom of the unit
b. Unplug the unit.
c. The unit should be stored in a cool dry place.

J. TROUBLE SHOOTING

Please check the following items before asking for repairing:

PROBLEMS	CAUSES	SUGGEST SOLUTIONS
The unit does not work	Power supply fault: 1. Not plugged in; 2. Faulty plug or socket; 3. Fuse broken	1. Plug in correctly; 2. Change the plug or socket; 3. Replace fuse
The unit stops running automatically	Timer is set or room temperature is lower than set temperature.	Close the timer or reset temp.
In cooling mode, no cooling air coming out	1. Room temperature is lower than set temperature. 2. There is frost on the surface of evaporator.	1. This is normal. 2. The unit is defrosting and it will run when the defrosting is finished.
The remote control does not work	1. Exhausted batteries 2. Batteries incorrectly installed.	1. Change the batteries. 2. Re-install the batteries correctly
The unit does not work for 3 minutes when switched on.	Protection of the unit.	Wait for approx.3 minutes and the unit will start.
Error code “E2” in LED display	Failure of the indoor sensor.	Advise your local services
Error code “E3” in LED display	Failure of the outdoor sensor.	Advise your local services
Error code “E4” in LED display	Failure of the indoor coil sensor.	Advise your local services
Error code “E5” in LED display	Failure of the upper fan motor	Advise your local services
Yellow light flashing	The unit is in defrosting operation	The unit will return to normal once defrosting is finish.

Error codes are for information only. Advise your local service agent as appropriate.