



### EH1776

### Double Duct Air Conditioner

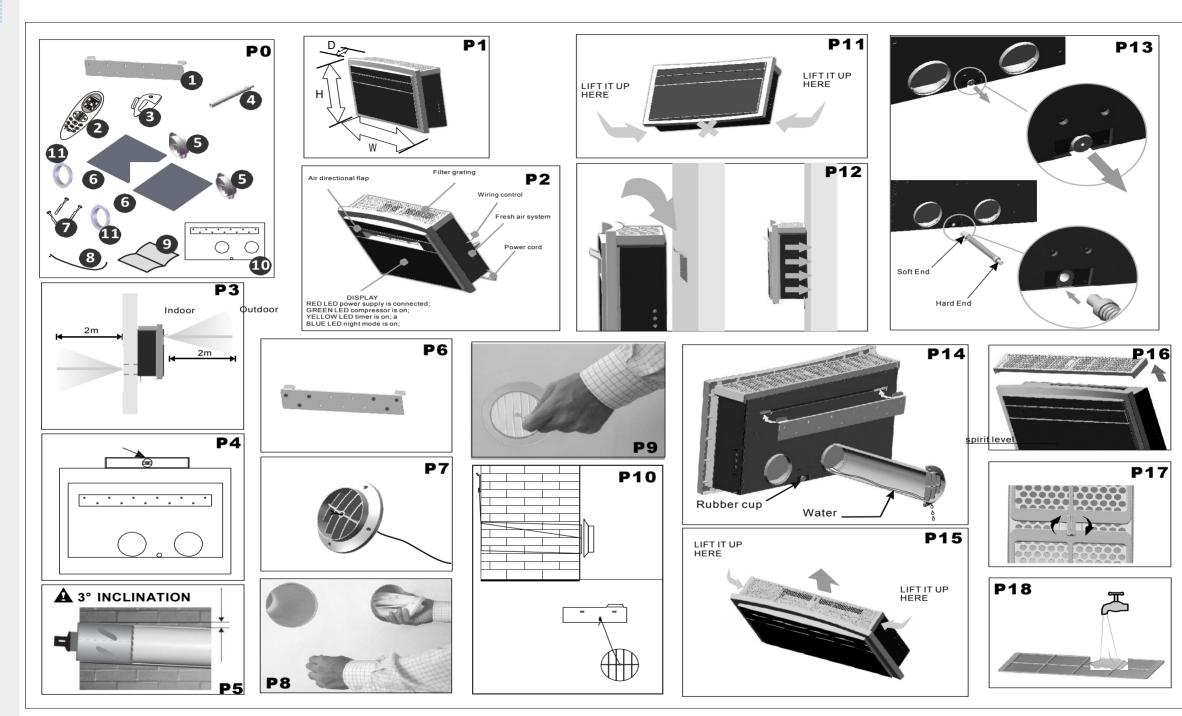


### **INSTALLATION AND USER MANUAL**

BEFORE INSTALLING AND USING THIS AIR CONDITIONER, PLEASE READ ALL INSTRUCTIONS CAREFULLY.









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Call: <u>0845 6880112</u>

**Email:** <u>info@adremit.co.uk</u>





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#### 1.1 INTRODUCTION

Please note: 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 be used for this purpose.

The manufacture cannot be held liable for damage caused to property or injure 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 use caution during the disposal. Please contact your local authority for regulatory advice.

Don't switch on before having totally assembled the air conditioner and before installing in its correct operating position.

Before starting the appliance, check that it is correctly earthed, according to the legislation in force in the country concerned.

# 1.2 IMPORTANT SAFETY INSTRUCTIONS

When using this electrical appliance, basic safety precautions should always be followed:

Do not place objects on, or allowobjects to obstruct the air inlet or outlet openings. Extreme care should be taken when any product is used by, or near children and pets, and whenever the product is left operating and unattended.

#### Please note:

Before operating the product, remove the air conditioner from its packaging and check if it is in good condition.

Do not let children play with the packaging or the plastic bags.

Do not operate any product with a damaged cord or plug, or after the air conditioner malfunctions, has been dropped, or damaged in any manner. Return the air conditioner to an authorised service center for examination and repair to avoid any hazard.

Do not attempt to repair or adjust any electrical or mechanical functions on this air conditioner as this may void the warranty, always contact your local service engineer.

Always operate the product from a power source of the same voltage, frequency and rating as indicated on the product identification plate. This air conditioner is not intended for use in wet or damp locations.

Do not place the air conditioner near an open flame, cooking or heating appliance or hot surface.

Do not let the power cord hand over the edge of a table or counter. Arrange the power cord away from an area where it may cause a trip hazard. Never place the power cord under a carpet or rug. Do not operate the air conditioner in areas where petrol, paint, or other flammable liquid are used or stored.

Do not carry out any cleaning or maintenance or access internal parts until the air conditioner has been disconnected from the mains electricity supply.

Do not alter the safety or regulating devices. Do not pull, remove or twist the electric cable connected to the air conditioner, even if disconnected from the mains electricity supply avoid prolonged direct contact with the flow of the air from the air conditioner and the room being closed with no ventilation for a prolonged period.

Repair or maintenance work must be carried out by a service engineer or by qualified technicians in compliance with the instructions given in this booklet. Do not alter the appliance, any modifications could cause damage or injury and the manufacture of the appliance will not be liable for any damage or injury caused by unauthorized modification.

This instruction booklet is an integral part of the appliance and should therefore be carefully preserved and always accompany the appliance in the event of transfer to another owner or user or another installation engineer. Should the booklet be damaged or lost, please request an additional manual or download from the premiair website at www.prem-i-air.com

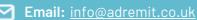
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#### 1.3 RECEIVING THE GOODS

The air conditioner is delivered in a 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 air conditioner is unpacked, please check that the air conditioner and accessory pack are complete and undamaged.

#### 1.4 HANDLING

Be fully aware of the weight of the air conditioner before attempting to lift it. Take all necessary precautions to avoid damaging the product or causing personal injury. It is advisable to remove the packaging 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 tidied up correctly and not left within reach of children as this could be dangerous.

#### 1.5 LIST OF ACCESSORIES (P0)

- 1. FASTENING BRACKET
- 2. REMOTE CONTROL
- 3. REMOTE CONTROL HOLDER
- 4. DRA INAGE PIPE
- 5. EXTERNAL GRATING
- 6. PLASTIC SHEET AIR PIPE
- 7. KIT OF SCREWS
- 8. GRATING FIXING CORD
- 9. INSTRUCTION MANUAL
- 10. PAPER TEMPL ATE FOR WALL DRILLING
- 11. 160mm RING
- 12. 150mm RING

This product has been manufactured to comply with 2006/95/EC and with amendments 92/31/EEC and 93/68/EEC



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.



Any batteries used in the remote control contain materials, which are hazardous to the environment. They must be removed from the remote control when they reach the end of their life and disposed of responsibly.

#### 1.6 TECHNICAL FEATURES (P1,P2)

Description	Value
Cooling capacity*W(BTU/h)	2632(9000)
Heating capacity*W(BTU/h)	2730(9500)
Rated voltage(V)	230
Absorbed power in cooling*(W)	981
Absorbed current in cooling*(A)	4.3
Absorbed power in heating*(W)	880
Absorbed current in heating*(A)	3.9
Air flow(m³/h)	400
Noise level(dB A)	47
Dehumidification capacity*(L/24h)	16.3
Temperature Control	18-30°C
Fuse (T3.15L)	250V
Refrigerant	R410A
Global warmer potential(GWP)	2088
Tonnes of CO2 equivalent	1. 34
Dimensions H/W/D(cm)	58/100/23.5
Net weight (KG)	45

<sup>\*</sup> The above data could be changed in order to improve the performance

#### STANDARD TEST CONDITIONS - EN 14511-

# OPER ATING CONDITIONS IN COOLING AND DEHUMIDIFICATION MODE

- Inside 27°C DB; 19°C WB - Outside 35°C DB; 24°C WB

#### OPERATING CONDITIONS IN HEATING MODE

- Outside 7°C DB; 6°CWB
- Inside 20°C DB

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# 2.1 POSITIONING THE AIR CONDITIONER (P3)

To maintain the best performance from your air conditioner, prevent breakdowns or hazards, you must position it correctly. Please follow 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 with a minimum of 2 meters clearance to the outside.
- The air conditioner must be fitted leaving room all around as illustrated in the paper template.
- The wall on which the air conditioner is installed must be sturdy and able to withstand the weight of the air conditioner.

After determining the best place for installation as described above, please check to ensure that the wall can be drilled in the chosen area without interfering with other structures or installations (beams, lintels, girders, pipes, wires, etc).

Please also ensure that there are no obstacles on the outside of the wall, which may obstruct air circulation through the drilled holes, for example: (plants, and their leaves, slats or paneling, drain pipes, overflows and gratings, etc.). Any obstruction could interfere with the correct performance of the air conditioner.

#### 2.2 PAPER TEMPLATE(P4)

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

- Do not drill any holes until you are completely 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 air conditioner must be level.
- Follow the installation instructions in full.

#### 2.3 DRILLING THE WALL(P5)

Please note: If you are drilling the hole above ground floor level, please ensure that the area has been secured; while the holes are being drilled the outside area should be supervised, until drilling has been completed.

#### **INLET AND OUTLET HOLES**

- This operation should be carried out using the proper tools (diamond tip or core 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 it horizontal by using a spirit level.
- Use a pilot drill to mark the center of each core hole to be drilled.
- Use a core boring head having a diameter of 162 mm to drill the two holes for inlet and outlet airflow.



The holes must have a downward inclination of 3-5 degrees to prevent any back flow of water from the pipes.

#### **DRAINAGE HOLE (P13)**

This air conditioner has a dual system to drain the condensate moisture automatically. Before installing the Air Conditioner choose which is the most suitable system for your installation.

Please read carefully the follow instructions.

System "A": Drill a hole through the wall measuring 30mm in diameter in the position shown on the paper template. Drainage occurs by gravity. For this reason, it is essential for the drain line to have a minimum downward inclination of at least 3 degrees throughout its length: connect the drain pipe(from rubber terminal) to the air conditioner (back side) after unplugging the black rubber cup (see picture P13). With this solution, you can drain the condensate moisture to a suitable wastewater drain. Please pay particular attention to not draining the water where it may cause a nuisance.

System "B": If it is not possible to install the drainage pipe as described in system A. do not unplug the black rubber cup (picture P13). The condensate moisture will go outside via the hot air exhaust pipes(see picture P14).

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#### 2.4 FASTENING THE BRACKET(P6)

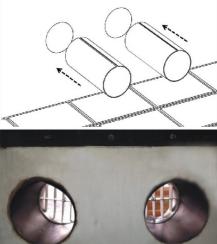
- Drill the holes for anchoring the fastening bracket to the wall using preferably the 6 holes shown in black on the paper template. If the wall is not sturdy enough it is advisable to use extra anchor bolts using the holes showed in grey on the paper template.
- The anchor bolts provided require an 8mm hole; the wall should be inspected to determine if the provided bolts are suitable or if it is necessary to use different anchor bolts. The manufacturer is not liable in the case of underestimation of the structural integrity of the anchorage made at the time of installation.

#### 2.5 INSTALLATION OF THE PIPES

- After drilling the holes, the plastic sheet supplied with the air conditioner needs to be fitted through them.
- Measure the depth of the wall and cut the supplied plastic sheet to size.
- Roll the sheet and insert it into the hole (see below), paying attention to the joint line, which must be always in the upper position. Remember that the sheet must have the same inclination as the holes (min 3°).

Insert the rings into the holes.





# 2.6 FITTING THE GRATINGS (P7,P8,P9,P10)

To fit the two external gratings please proceed as follows: familiarise yourself with the fitting of the grating to the tube, before installation. Insert the cords through the center of the grating. One grating fits on the outside of the tube and the other fits inside. The air discharge is the bigger hole and the grating therefore fits on the outside of the air discharge tube. Insert the supplied cord into the hole. Fold the outer grating in half grasping the cord with your free hand. Insert your arm inside the pipe with the grating and push all the way to the outside. Let the grating unfold and pull the cord toward you. With a little patience and manipulation, the 2 gratings will fit the end of the tubes. Grasping the cord, insert your fingers between the fins and pull the grating toward you until the grill is properly fitted into the pipe. keeping the fins in vertical position. If the external grating is accessible, and to prevent its accidental removal, it is recommended to fasten it to the wall with wall plugs and screws with a diameter of 6 mm. Tighten the cord and fasten it to the vent on the internal flanges.

# 2.7 FITTING THE AIR CONDITIONER ON BRACKET (P11,P12)

After checking again that the bracket is securely fastened to the wall, and that any necessary preparations for electric connection and condensate drainage (if it needs) have been made, fasten the air conditioner to its supporting bracket. Lift it up by holding the sides at the bottom. Tilt the air conditioner slightly toward the bracket. The air conditioner can now be pushed firmly against the wall. Inspect the installation carefully to make sure that the insulating back panel fits firmly against the wall and there are no gaps at the back of the air conditioner and that the two plastic semicircles on the rear of the air conditioner are placed inside of the two plastic hoses fixed inside the wall.



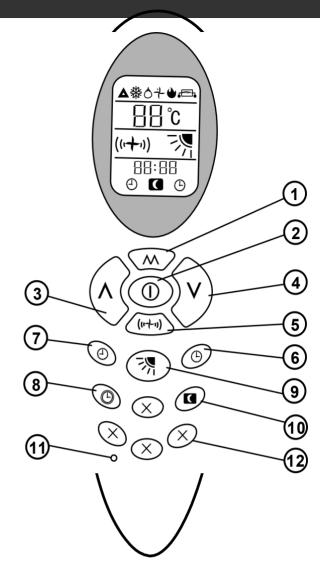


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#### 3.1 DESCRIPTION OF LCD ICONS

Icons	Meaning	Icons	Meaning
	Auto	((+))	Fan speed
**	Cooling		Airflow direction
	Dry		Timer off
+	Fan	$\oplus$	Timer on
•	Heating		Sleep
88:88	Clock	88°c	TEMP
X	Not Used		



#### 3.2 REMOTE CONTROL FUNCTIONS

- MODE BUTTON: Set up the air conditioner operating mode
- (2) ON/OFF BUTTON: Turn on or turn off the air conditioner
- (3) UP BUTTON: Increase the temperature and time
- (4) **DOWN** BUTTON: Decrease the temperature and time
- (5) FAN SPEED BUTTON: Set up the fan speed
- **(6) TIMER ON** BUTTON: Set up the time the air conditioner starts
- (7) TIMER OFF BUTTON: Set up the time the air conditioner stops
- (8) CLOCK BUTTON: Adjust the clock
- (9) LOUVRE SWING BUTTON: Adjust the airflow direction
- **SLEEP** BUTTON: Automatically adjusts the mode & temperature according to the circadian rule.
- (1) RESET BUTTON: Resets the unit.
- (2) SPARE BUT TON: Not Used



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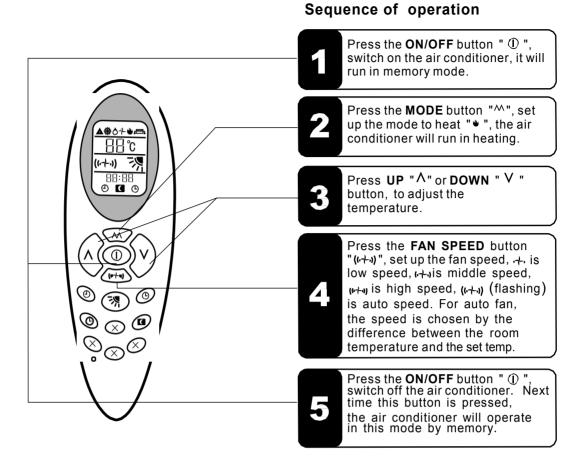
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#### 3.3 HEATING MODE



#### 3.4 COOLING MODE

#### Press the ON/OFF button " ① ", switch on the air conditioner, it will run in memory mode. Press the **MODE** button "M", set up the mode to cool "\*", the air conditioner will run in cooling. <u>88°</u>€ 75 (1-1-1) Press UP "\" or DOWN " \" " 88:88 **e G e** button, to adjust the temperature. Press the FAN SPEED button "((+₁)) ", set up the fan speed, + is low speed, +is middle speed, ((+)) is high speed, ((+)) (flashing) is auto speed. For auto fan, the speed is chosen by the difference between the room temperature and the set temp. Press the **ON/OFF** button " ① ", switch off the air conditioner. Next time this button is pressed, the air conditioner will operate in this mode by memory.

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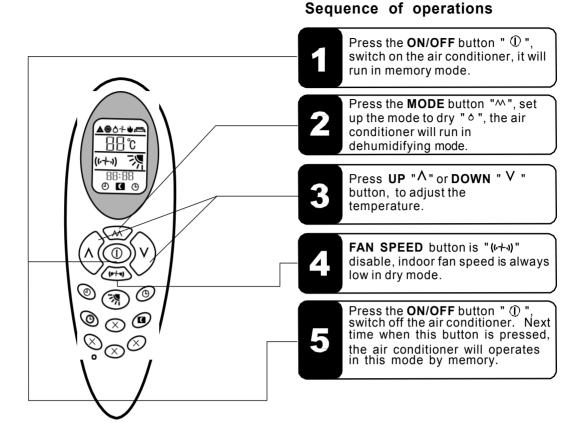
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Sequence of operations

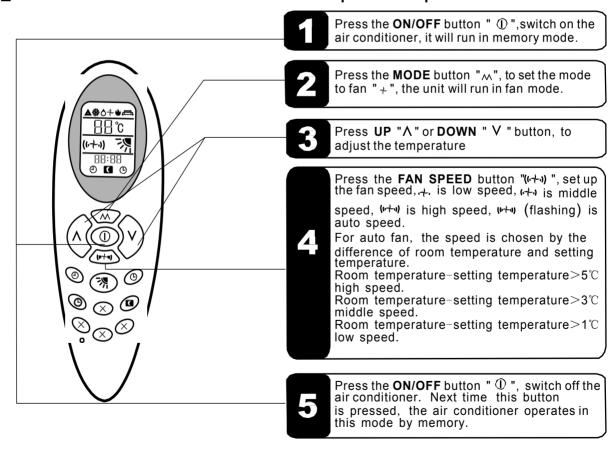


#### 3.5 DRY MODE



# 3.6 FAN ONLY MODE

#### Sequence of operations



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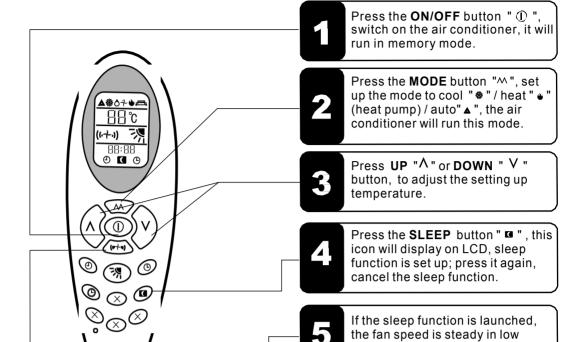


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### 3.7 SLEEP MODE

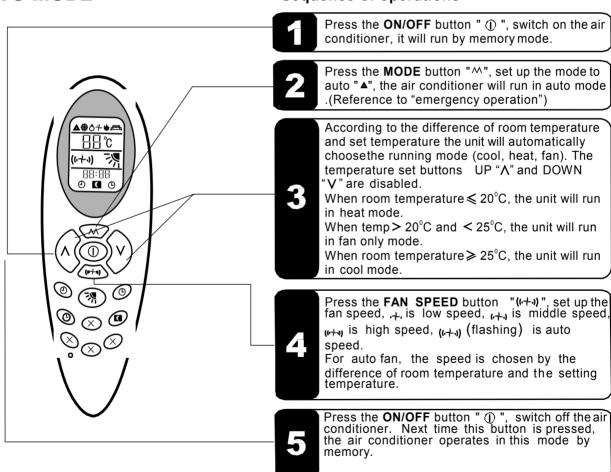
#### Sequence of operations



#### 3.8 AUTO MODE

#### Sequence of operations

speed.

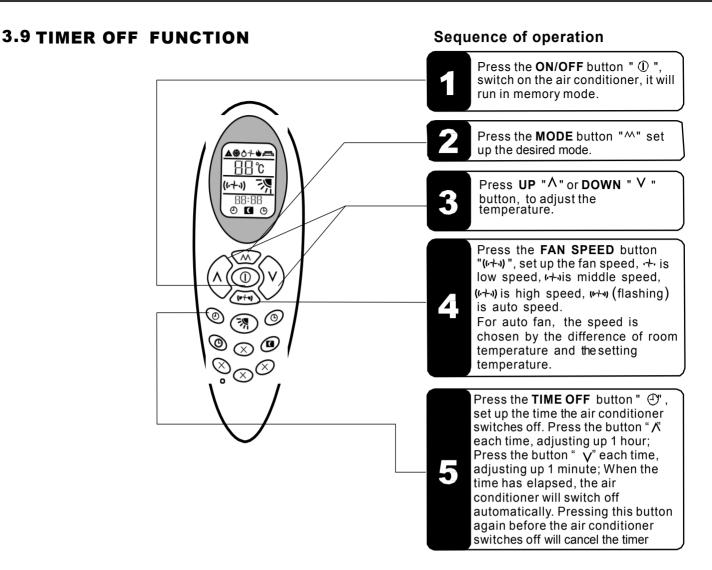


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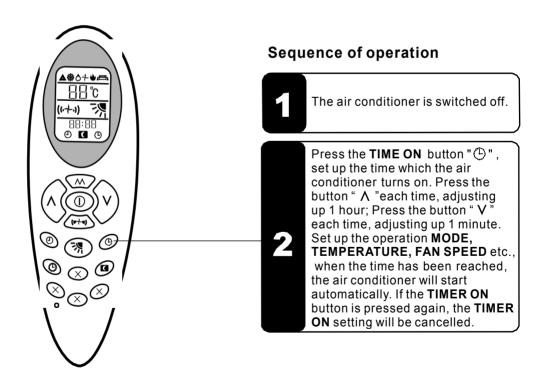


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#### 3.10 TIMER ON FUNCTION

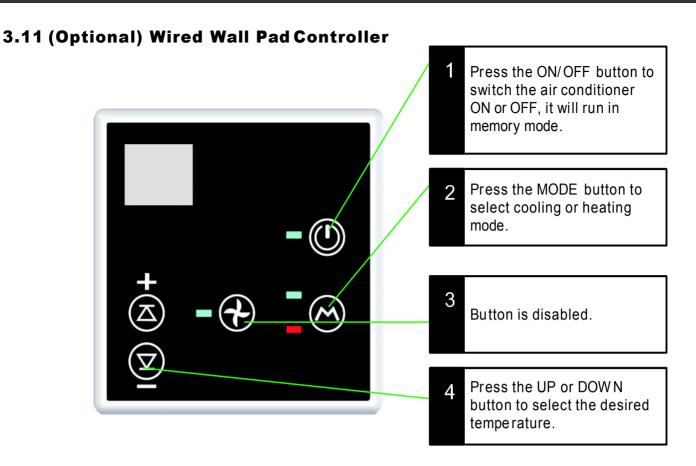


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#### Wired Wall Pad Controller Installation

- Connect the wall pad wiring to the unit connector.
- Open the return air filter assembly and finger guard grille, you will see a wire with wall pad connector as shown in picture below:



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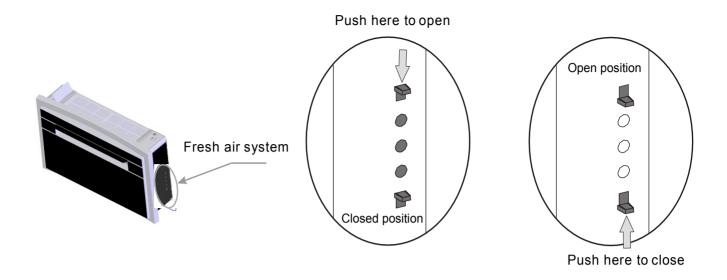
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#### 3.13 FRESH AIR SYSTEM



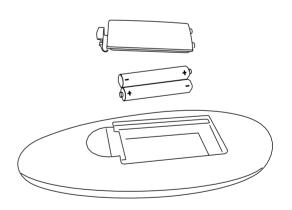
When the fresh air system is open the air conditioner will change the room air automatically: in this way new clean and fresh air will be pumped into the room.

You can open or close the fresh air system at any time.

If the air fresh system is closed the air conditioner performance is much higher so we suggest that the fresh air system should remain closed and open it for just a few minutes eachday.

#### 3.12 INSTALLING AND CHANGEING THE BATTERY

- --Open the battery cover, hold the hook and lightly pull up.
- --Insert the battery (AAA, 2pcs), the positive terminal must align with the + mark on the plastic surface.
- --Replace the battery cover. Inspection: If you press the ON/OFF button "①" and no icons are displayed then please check the battery installation.





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# 3.14 MAINTENANCE (P15,P16,P17,P18)

#### FILTERS CLEANING:

The filters should be regularly cleaned to keep the air conditioner running efficiently. Clean the filters every two weeks.

How to proceed:

- 1. Disconnect the air conditioner from the electrical supply.
- 2. Extract the filer grating (P15) in the same direction as the arrow.

Take out the filter as shown in P17.

Proceed to wash them (do not use hot water) and only when they are fully dried replace them in the same way.

ATTENTION: Do not use the air conditioner without filters as it could seriously damage the air conditioner.

#### **EXTERNAL CLEANING:**

- Disconnect the air conditioner from the electrical supply.
- Wipe external surfaces clean with a damp cloth only.
- Do not use an abrasive cloth or solvents, as this may damage the surfaces.
- Do not use excessively wet cloths or sponges, as water could damage the air conditioner and compromise safety.

# 3.16 TROUBLESHOOTING PROBLEMS & POSSIBLE CAUSES / SOLUTIONS

- The air conditioner does not work.
  - 1. Wrong settings of the timer -Please check.
  - 2. Problems on the power supply / Call the service center.
- The air conditioner does not cool the room.
  - 1.The room temperature is too high \Wait until the temperature goes down.
  - 2. The temperature is not properly set / Check it
  - 3. The grids could be obstructed / Check and remove the obstructions

#### **POSSIBLE SOLUTIONS**

- The air conditioner does not work for 3 min when switched on.
  - 1. Automatic protection of the conditioner. Wait for 3 min and the air conditioner will start to work again.
- Strange smell in the room / Water drips from the air conditioner.
  - 1. Incorrect connection of the drainage pipe
  - 2. Damp in the room, coming from walls, carpets, furnishing or similar.
  - 3. Incorrect installation of the air conditioner
- The remote control does not work.
  - 1. Exhausted batteries.
  - 2. Wrong insertion of the batteries inside the remote control.



If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.

The max operating temperature for the air conditioner:(max cooling: outdoor DB43°C / WB26°C, indoor DB32°C/WB23°C; min heating: outdoor DB-5°C/WB-6°C, indoor DB20°C)

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.

Children should be supervised to ensure that they do not play with the appliance.



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Smaltimen to delle apaarecchiature obsolete
Disposal of your old appliance
Entsorgung von Altgeräten
Élimination des appareillages obsolètes
Como deshacerse de aparatos elèctricos y electrónicos fiejos
Eliminação do seu antigo aparelho







### **UK**

#### Disposal of your old appliance



#### Entsorgung von Altgeräten

#### ture obsolete

1. Quando sun prodotto è riportato il simbolo di un bidone della spazzatura sbarrato da una croce significa che il prodotto è coperto dalla Direttiva Europea 2002/96/EC.

Smaltimento delle apparecchia-

- 2. Tutti i prodotti elettrici ed elettronici dovrebbero essere smaltiti separatamente rispetto alla raccolta differenziata municipale, mediante impianti di raccolta specifici designati dal governo o dalle autorità locali.
- 3. Il corretto smaltimento delle apparecchiature obsolete contribuisce a prevenire possibili conseguenze negative sulla salute umana e sull'ambi ente.
- 4. Per informazioni più dettagliate sullo smaltimento delle apparecchiature obsolete, contattare il comune, il servizio di smaltimento rifiuti o il negozio in cui è stati acquistato il prodotto.

- 1. When this crossed-out bin symbol appears on a product it means that the product is covered by European Directive 2002/96/EC.
- 2. All electrical and electronic products should be disposed of separately from the municipal waste stream via specific collection facilities designated by the government or the local authorities.
- 3. Proper disposal of your old appliance will hele prevent potential negative consequences for the environment and human health.
- 4. For more detailed information about disposal of your old appliance, please contact your municipality, the waste disposal service or the shop where you purchased the product.
- 1. Wenn dieses Symbol eines durchgestrichenen Abfalleimers auf einem Produkt angebracht ist, unterliegt dieses Produkt der europäischen Richtlinie 2002/96/EC.
  2. Alle Elektro-und Elektronik-Altgeräte müssen getrennt vom Hausmüll uber dafür staatlich vorgesehene Stellen entsorgt werden.
- 3. Eine ordnungsgemäß e Entsorgung des Altgeräts trägt dazu bei, Schäden an der Umwelt und der men schlichen Gesundheit zu vermei den.
- 4. Weitere informationen zur Entsorgung des Altgeräts erhalten Sie bei der Stadtverwaltung, beim Entsorgungsamt oder in dem Geschäft, in dem Sie das Produkt erworben haben



## Élimination des appareillages obsolètes

- 1. Quand figure sur un produit le symbole représentant une poubelle barrée d'une croix, cela indique que le produit est assujetti à la Directive européenne 2002/96/EC.
- 2. Tous les appareils et composants électriques et électroniques doivent être èliminès auprès dedéchetteries spécifiques indiquées par les pouvoirs publics nationaux ou par les autorités lacales.
- 3. La bonne élimination des appareillages obsolètes contribue à prévenir les conséquences dommageables pour la santé des personnes et pour l'enwironnement.
- 4. Pour plus d'informations concernant l'élimination des appareillages obsolètes, veuillez contacter votre mairie, le service d'élimination des ordures ou encore le magasin où le produit a été acheté.



### Como deshacerse de aparatos elèctricos y electrónicos fiejos

- 1. Si en un profucto aparece el símbolo de un contenedor de basura tachado, significa que èste se acoge a la Directiva 2002/96/EC.
- 2. Los aparatos elèctricos no se deben desechar junto con los residuos domèsticos, sino a travès de puntos de recogida designados por el gobierno o las autoridades locales.
- 3. La correcta recogida y tratamiento de los dispositivos inserivbles contribuye a evitar riesgos potenciales para el medio ambiente y la salud pública.
- 4. Para obtener más información sobre cómo deshacerse de sus aparatos elèctricos y electrónicos viejos, póngase en contacto con su ayuntamiento, el servicio de recogida de basuras o el estable cimiento donde adquirió el producto.



### Eliminação do seu antigo aparelho

- 1. Quando este símbolo de caixote do lixo com uma cruz em cima estiver afixado a un produto, significa que o produto se encontra abrangido pela Directiva Europeia 2002/96/EC.
- 2. Todos os produtos eléctricos e electrónicos devem ser eliminados separadamente do lixo domèstico atravès de pontos de recolha designados para o edeito pelo governo ou pelas autoridades lacais.
- 3. A eliminação crrecta do seu aparelho antigo ajuda a evitar potenciais consequências negativas para o ambiente e para a saúde humana.
- 4. Para obter informações mais detalhadas acerca da eliminação do seu aparelho antigo, contacte as autoridades locais, um serviço de eliminação de residuos ou a loja onde comprou o produto.



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