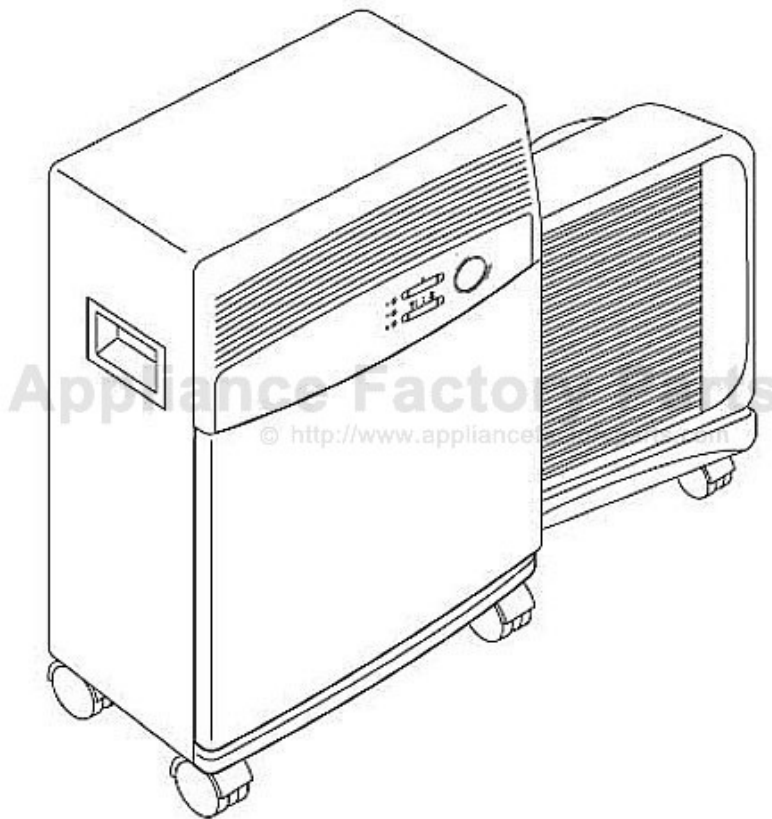


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# DE'LONGHI PAC390 Owner's Manual

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PAC390](#)



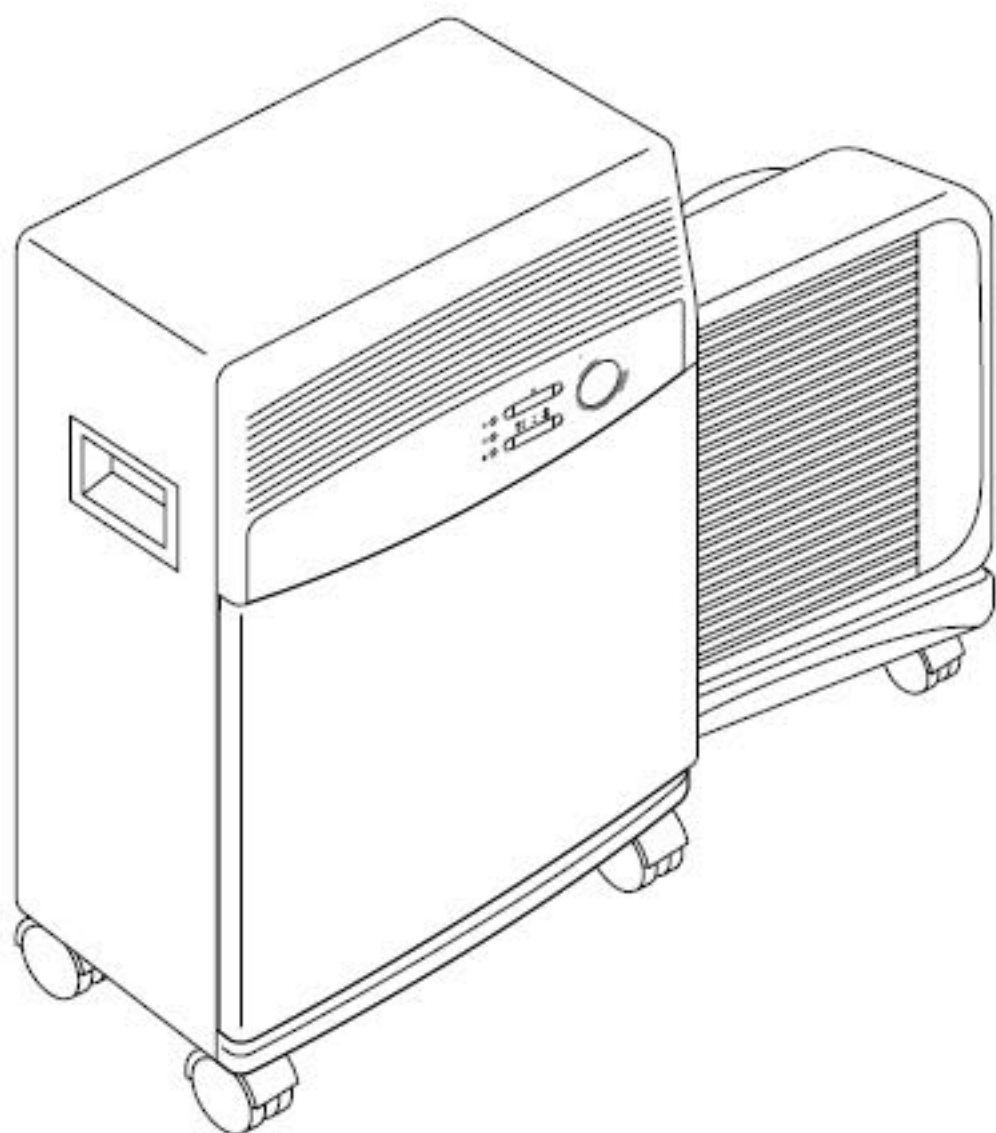
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----- Manual continues below -----



**Super** **Pinguino**

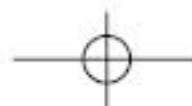
**DeL**



Use and maintenance manual .....

Mode d'emploi et d'entretien

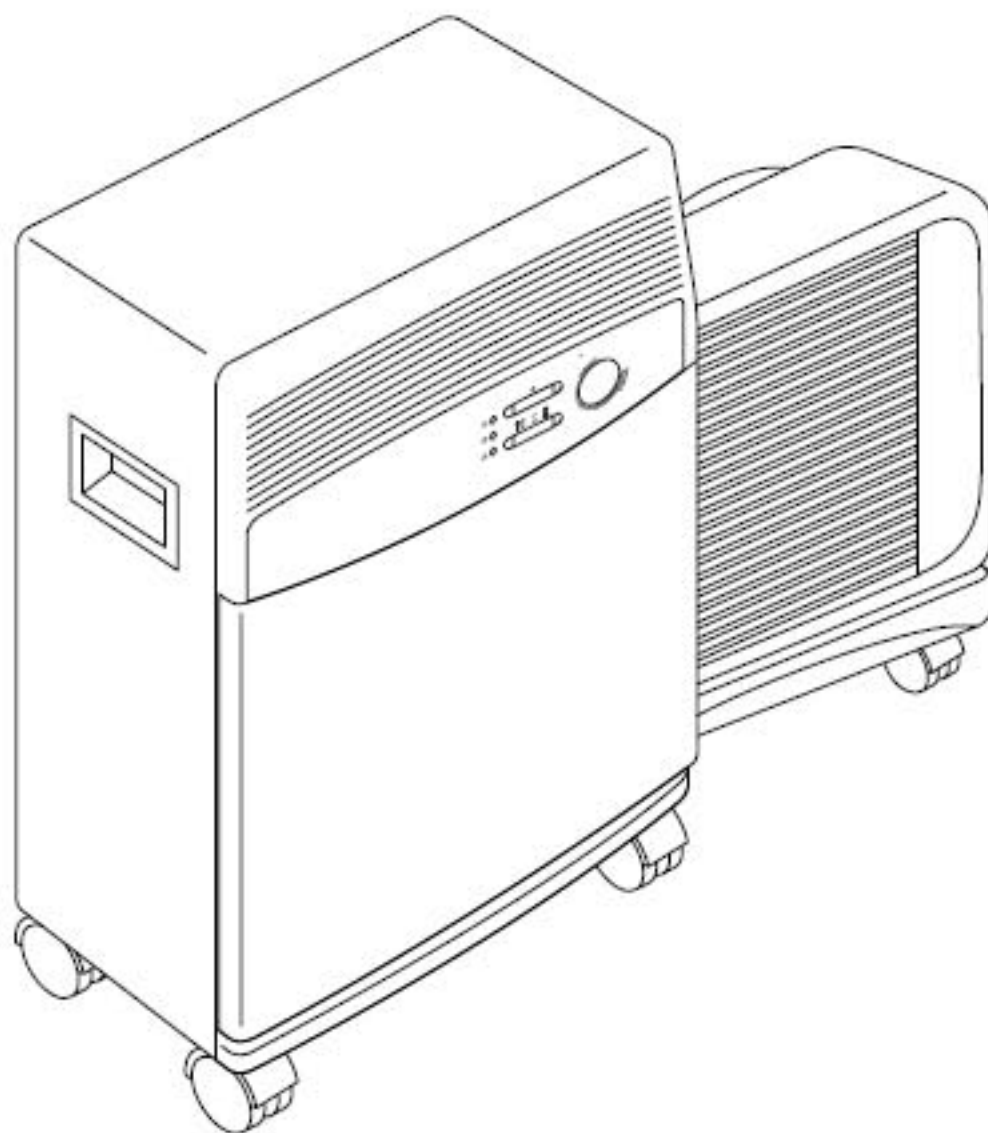


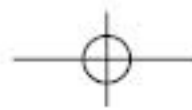


**Super** Pinguino

**DeL**

# Split Portable Air-conditioner PAC 390



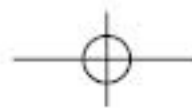


## IMPORTANT INFORMATION

When using electrical appliances, basic safety precautions always be followed, including the following:

- Read all instructions.
- To protect against fire, electrical shock and personal injury, do not immerse cord, plug or appliance in water or other liquid.
- Close supervision is necessary when any appliance is used near children.
- Do not operate with a damaged cord or plug, or after the appliance malfunctions, or has been damaged in any manner. Return appliance to the nearest authorized service facility for examination, repair or adjustment.
- The use of accessory attachments or spare parts not recommended by the appliance manufacturer may result in fire, electrical shock or personal injury.
- Do not use outdoors.
- This appliance must be connected to an efficient "grounding" system. Have your electrical system checked out by a qualified electrician.
- Do not use the appliance for other than the intended use.
- Do not place any strain on the power cord. Avoid twisting or tangling.
- The Pinguino should not be installed where the atmosphere may contain combustible gases.
- Avoid using Pinguino in oily or sulphurous atmospheres or near sources of heat.
- Wait at least 3 minutes before restarting, after the air-conditioner has been switched off or the thermostat setting changed.
- Do not place hot or heavy objects on the appliance.
- Clean air filter every week (see instructions at page 12).
- **Important:** If you need to use an extension cord, please use a **heavy duty** extension cord (minimum 14 gauge).





*Dear user,*

*We thank you for purchasing the Pinguino air-conditioner and you on your wise choice.*

*For optimal results please read this manual carefully before installing.*

*We know that the Pinguino will maintain your environment pleasant at all times.*

*With best wishes*

**De**

***If you have any questions about the operation or service of the Pinguino, please call our toll-free service number 1-800-333-3333 or visit our internet site:***

***www.delonghiusa.com***

***for general overlook of De'Longhi group visit:***

***www.delonghi.com***

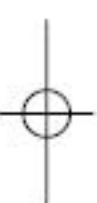
## INTRODUCTION

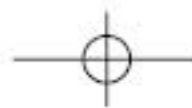
This conditioner consists of two units: the internal unit is designed to operate inside the room to be conditioned; the external unit is installed outside the room.

The two units are connected by a special hose, approximately 11 ft. (3 metres) in length. This hose contains the freon tubes, the electrical wiring and the condensation discharge tube.

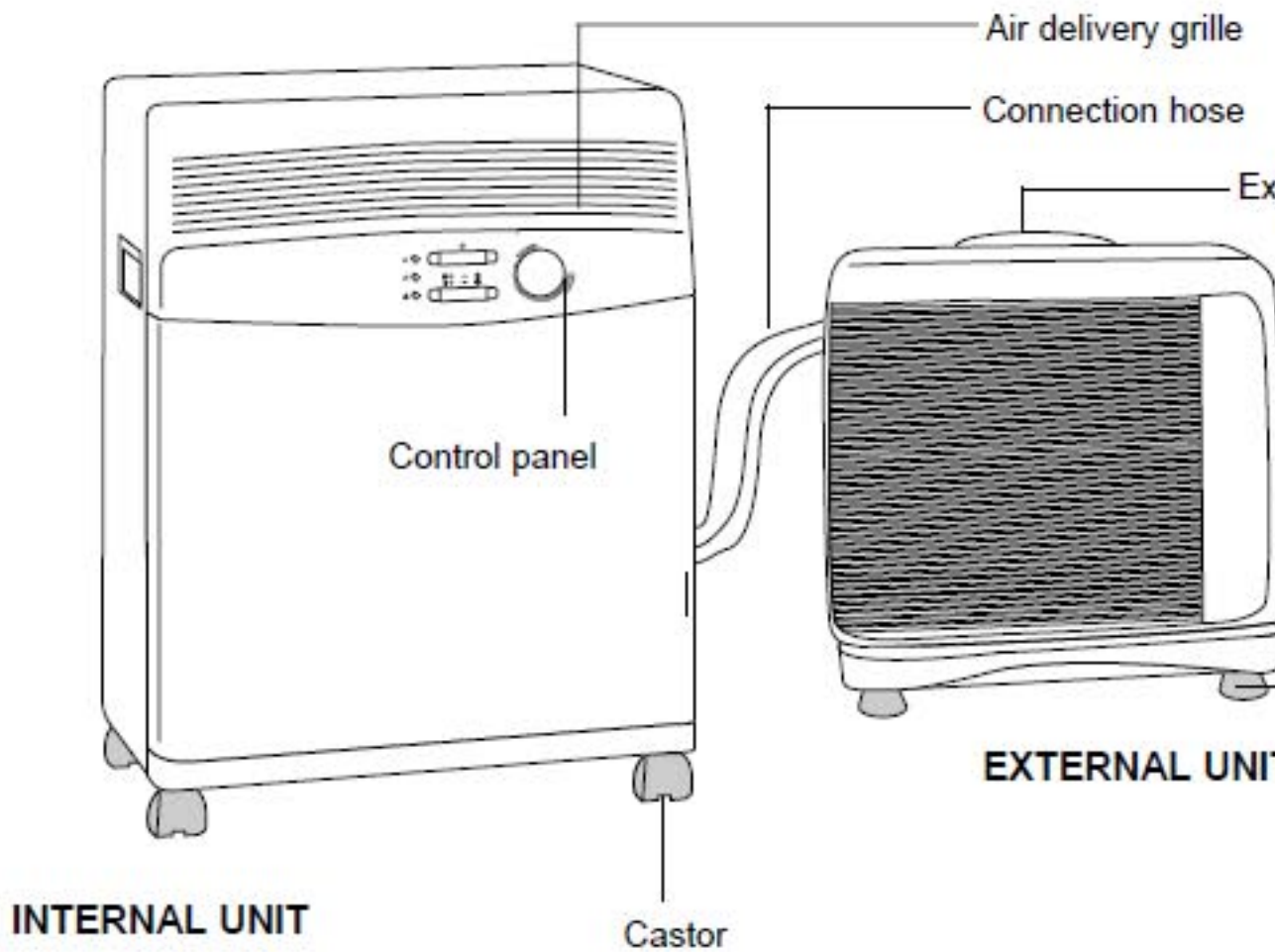
## TECHNICAL FEATURES

- Power supply voltage See
- Maximum absorbed power
- Cooling capacity
- Number of fan speeds
- Max. air flow rate
- Flexible tube length
- Sheathing section 3/4"x 1 3/8"
- Dimensions: indoor unit
  - length
  - height

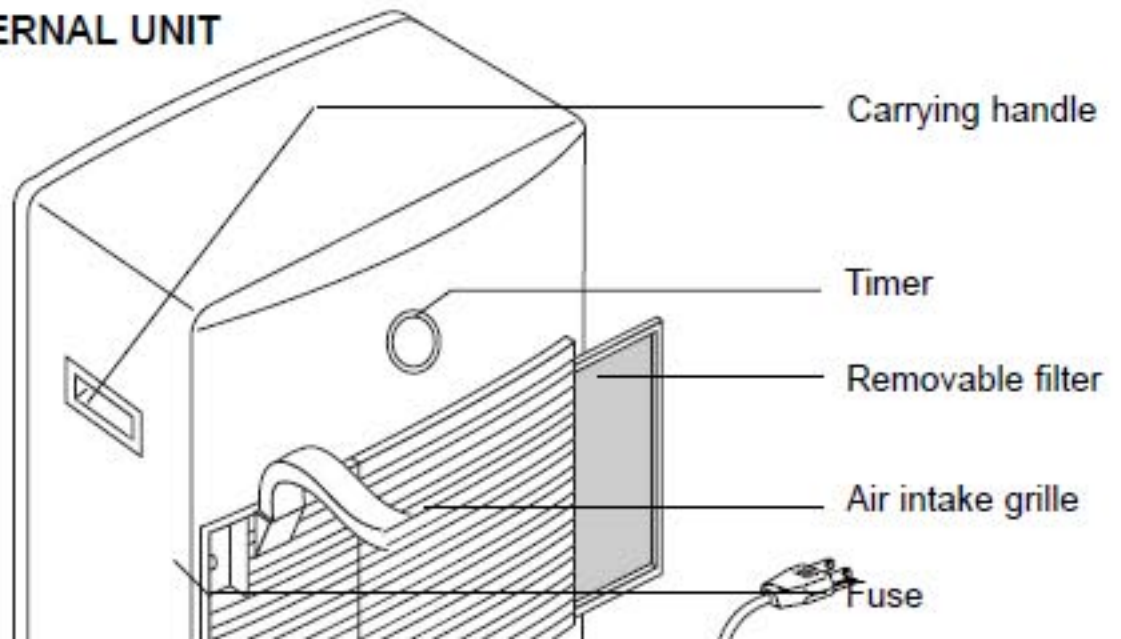


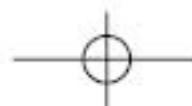


## DESCRIPTION






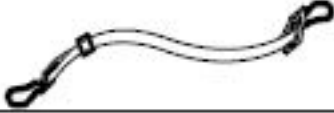








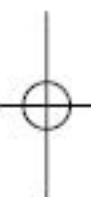
## INTERNAL UNIT

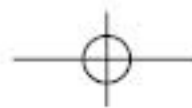




## ACCESSORIES

DRAWING	DESCRIPTION	NO.
	Wall-attachment bracket	
	Support block for external unit	
	Anchor screws + screws $\varnothing$ 6 mm	
	Screws M6 mm	
	Screws M4x25 mm	
	Belt with hooks	
	Screw eye for a belt	
	Sheathing frame	
	Castor stop	
	Drain connection for condensation with seal and two 4.2 penetrating screws	
	Castors for the external unit and washers	
	Adjustable window bracket	

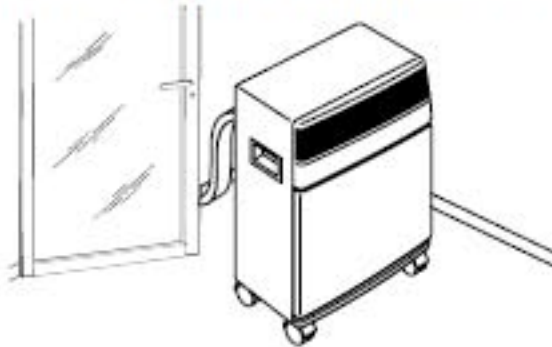




## INSTALLATION

The sheathing that connects the external to the internal unit may pass:

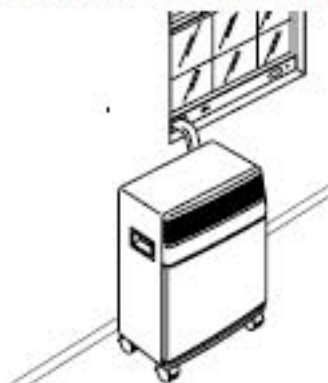
- a) through a slightly-open window or door;



- b) through a small hole 2,16" x 0,98" (2.5 cm x 5.5 cm) drilled in the lower part of a door or in a window frame by using the frame provided.



- c) through a small hole in the window bracket. *If you have a sash window*, place the bracket on the window sill, extend the bracket fully within the window frame, fix the bracket by turning the wing nut and lower the window onto the bracket after having passed the sheathing through the slot. Thanks to the wing nut, it's possible to use the window bracket also for sliding windows.

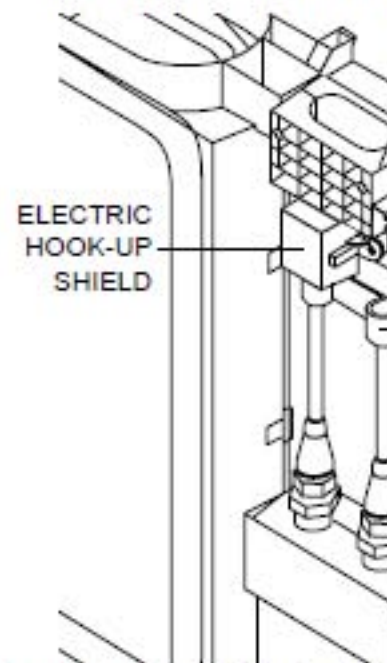


## USE OF RAPID COUPLINGS

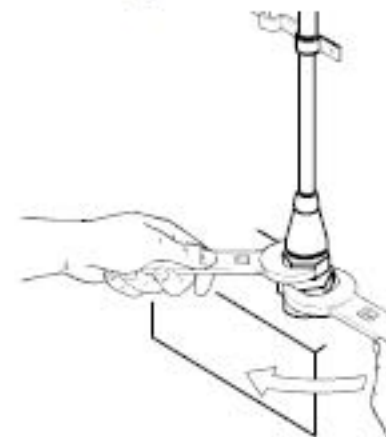
In addition to the methods described above, the sheathing that joins the external to the internal unit may also be drawn through a hole (about 6 cm in

In this case, the hook-ups w must be disconnected as follo

- 1) Remove the plug from the
- 2) Remove the handle by screws and then slipping o

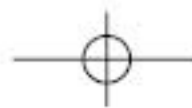


- 3) Remove the U bolt by screws.
- 4) Remove the sheath stop screws.
- 5) Using a 24-version wrench on the coupling. At the same of the flexible tube tight by wrench. Repeat this oper union using a 24- and a 19



- 6) Disconnect the condens rubber holder.
- 7) Loosen the shield's two s and disconnect the electric





To re-connect the detached ends of the sheath to the internal unit, you must repeat operations 1 through 7 in reverse order, being careful to observe the following precautions:

- Before drawing the sheath through the hole in the wall, you should wrap the threaded ends of the speedy couplings with friction tape or the like as a protective measure.
- Fit the upper two cooling junctures into the two lower ones and hand-screw them several turns while checking to be certain they are well-fitted, and then tighten them with the wrenches used earlier.
- After having hooked up the two cooling junctures, tighten the U bolts.
- Check the grip on the cooling junctures by wetting the joints with a little soapy water. No bubbles should appear.

#### Caution:

We recommend that the disconnecting and connecting of the rapid couplings be carried out only by qualified technicians.

### INTERNAL UNIT

Install the internal unit inside the room to be air-conditioned. This is usually done near a window or at least close to an outside wall.

The internal unit must be placed "on the level", with the help of the castor-stops provided. No obstacles should block this unit's in-take (suction grille, rear part of the unit) or out-take (outlet grille, front part of the unit) areas.

### EXTERNAL UNIT

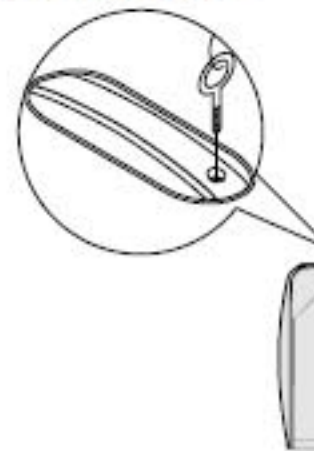
The external unit may be placed on a terrace or balcony, in which case the brackets need not to be used.



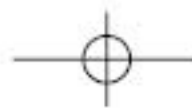
The external unit can be attached to a wall with the

- 2) To fix the support blocks to the external unit remove the two screws already inserted in the holes. Then screw the support blocks with the included M4mm screws while taking care to place them so that the hole for the screws is on the upper side.
- 3) Attach the external unit to the bracket by means of the M6mm screws.

For temporary installation it is possible to use the external unit as illustrated in the case, use the included straps and the eye hooks. Before inserting the eye hooks, remove the rubber plugs.



The external unit may be installed at the same height as the internal unit, provided that the difference is no more than 20 cm. The suction and air-delivery ports must not be blocked by obstacles. The distance between the back of the unit and the wall must be six 2 1/2 cm. The condensation which forms inside the unit is running (summertime operation) is removed by evaporation from the external unit. If the humidity is too high (in winter) you must use the drainage coupling to remove the condensation. This device is located at the bottom of the external unit (see drawing) after the rubber plug has



## ELECTRICAL CONNECTIONS

Check that the power supply voltage is the same as the one indicated in the rating label.

**Important:** if you need to use an extension cord, please be sure to use a **heavy duty** extension cord (minimum 14 gauge).

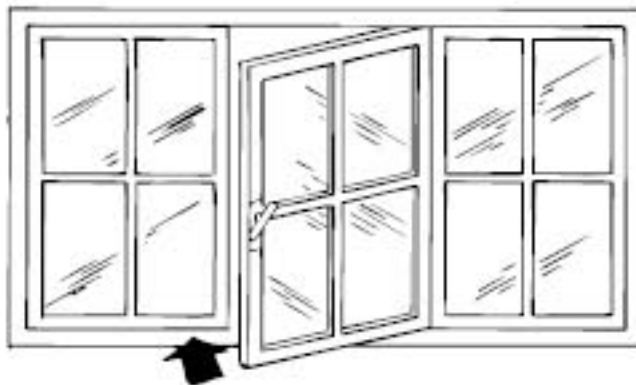
Before connecting the Pinguino to power supply, make sure that all switches on the front control panel are in the OFF position. Connect power cord found in storage compartment at rear of Pinguino.

- Replacement of the power cable must be carried out by qualified personnel.

## A LAST LOOK AT THE ROOM

There are several precautions you should keep in mind so as to get the best use out of your air-conditioner:

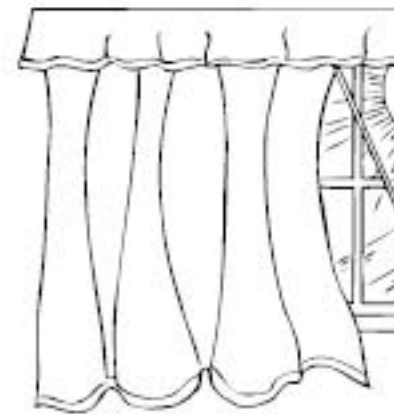
- Close the doors and windows in the room to be air-conditioned (except for installations, in which one window must be left partially open).



Close the windows



- In order to insure low-cost operation, draw the curtains and/or by partially closing the shutters or blinds



Draw the curtains



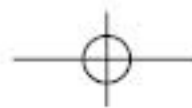
Lower (or partially close) the shutters

- Do not place objects atop the air-conditioner.
- Do not block the suction and return air vents.
- Make certain there are no obstructions in the room.

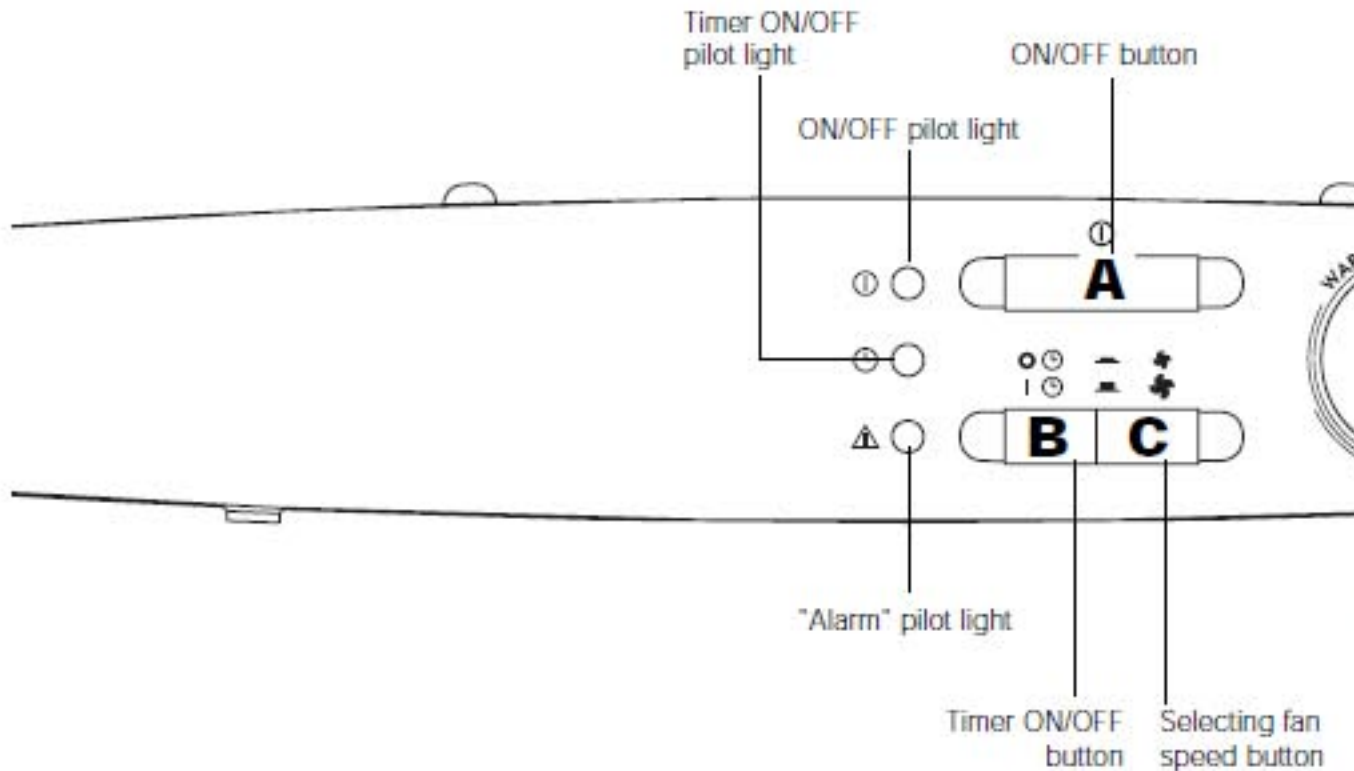
**N.B:** Before connecting this air-conditioner to an electrical circuit, make certain that all switches on the control panel are in the OFF position.



Do not cover the air-conditioner

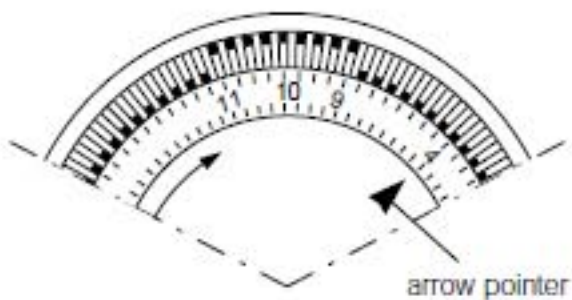


## CONTROL PANEL



### SETTING THE TIMER

The programmer/timer, like all clocks, must be set to the exact time. If for example it is 4.00 p.m., turn the dial in a clockwise direction (following the direction of the arrow) until the number 4 is lined up with the arrow pointer (the arrows indicates 4:00 p.m. approximately).



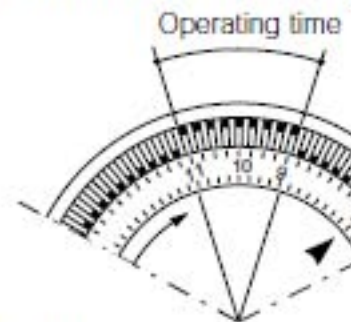
**Note:** Never turn the dial in an anti-clockwise direction!

The timer is in effect, an electric clock and works only if the plug is connected to the power supply. Whenever the plug is disconnected or there is a power failure, the programmer stops (the clock is then "slow") and must be re-set.

The unit can be used in either **programmed** or **non-programmed** mode.

### PROGRAMMED MODE

- 1) Release B timer button.
- 2) Set the operating times by moving the dial to the notches on the dial corresponding to the period required (each notch represents 15 mins.).
- 3) Check that the timer indicator is in the "ON" position (see instructions on setting the timer).

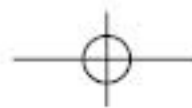


- 4) Select the desired function by pressing the button on the chart overleaf. The unit will now switch on at the selected times and the pilot light will be on.

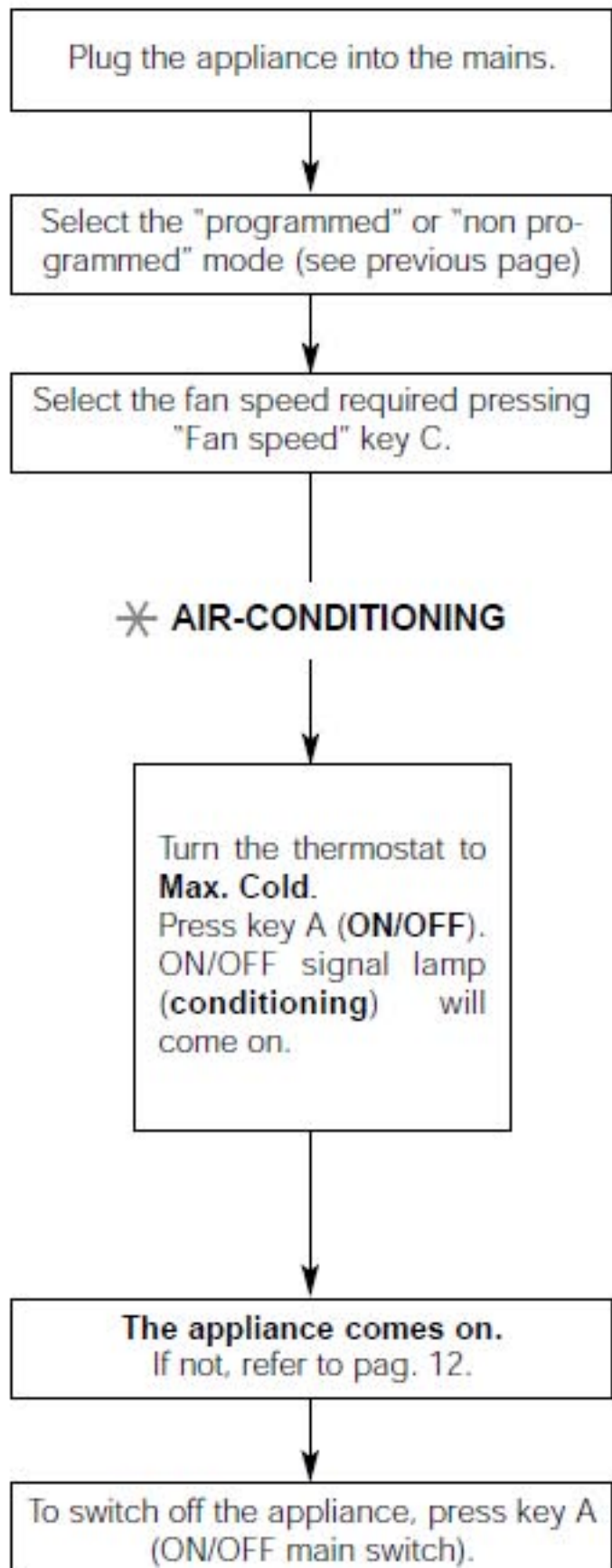
Note: To override the programmed times, simply press the ON/OFF button.

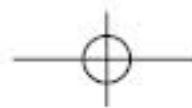
### NON-PROGRAMMED MODE

- 1) B TIMER button must be pressed.
- 2) Select the desired function by pressing the button on the chart overleaf.



## HOW TO OPERATE THE AIR-CONDITIONER (REFER TO THE CONTROL PANEL ON THE OPPOSITE PAGE)





## MAINTENANCE

Always pull the plug from the electrical outlet before beginning any cleaning or maintenance operations.

For safety reasons, never wash the air-conditioner with water.

## CLEANING THE UNIT

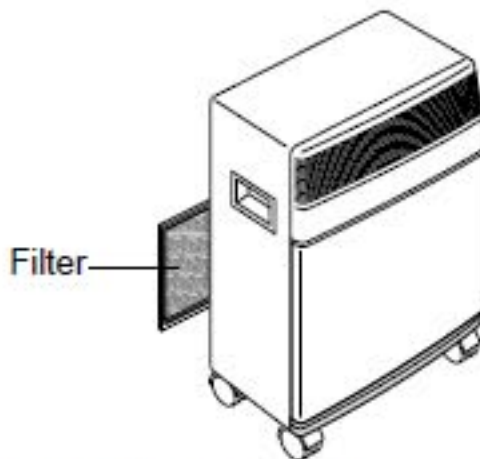
Clean your air-conditioner with a damp cloth and then wipe it with a dry cloth.

### Precautions:

Never use gasoline, alcohol or solvents to clean this appliance. Never spray it with insecticide or similar liquids, because the paint might then peel off and the plastic portions might lose their true shape.

## CLEANING THE AIR FILTER

- If the air filter gets dirty, it will be difficult for the air to circulate and the air-conditioner will lose much of its efficiency, thus leading to about an 8% increase in electrical consumption. For this reason, it is a good idea to clean the filter
- Remove the air filter as shown below.



- Use a vacuum cleaner to remove the dust on the filter. If the filter is very dirty, dip it in warm water (of less than 40° C.) and rinse it several times. After having washed the filter, let it dry completely before putting it back in place.

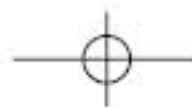
## CHECKS TO MAKE AT A BEGINNING

Check to make certain that the electrical outlet are in place and that there is a suitable earthing. Give strict observance to all instructions.

## WORK TO BE DONE AT A BEGINNING


Turn off the air-conditioner. Clean the filter and dry it before putting it back in place. Cover the air-conditioner with a cloth to keep the appliance from getting dusty.



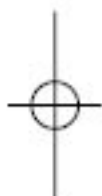


## IF SOMETHING GOES WRONG

Most malfunctions are caused by a very minor and easily solved problem. So carefully contacting the Authorised Technical Service Centre in your area.

PROBLEMS	CAUSES	REMEDY
The air-conditioner does not function	<ul style="list-style-type: none"> <li>power failure</li> <li>the appliance is not plugged in</li> <li>less than 3 minutes have passed since the appliance was last switched off</li> <li>Timer key is in STOP position</li> <li>The fuse is blown</li> </ul>	<ul style="list-style-type: none"> <li>wait until the power is restored</li> <li>insert the plug correctly</li> <li>wait three minutes</li> <li>release the Timer key</li> <li>contact Service Centre</li> </ul>
The air-conditioner works for a short time. The pilot lamp  comes on	<ul style="list-style-type: none"> <li>the safety float has switched the appliance off because the condensation tray inside the appliance is full</li> </ul>	<ul style="list-style-type: none"> <li>remove the plug, disconnect the power tube and clean the condensation tray from the appliance. If this fault persists, contact your nearest Service Centre</li> </ul>
The appliance functions for only brief periods because reset switch activates		<ul style="list-style-type: none"> <li>switch the appliance off and contact your nearest Service Centre</li> </ul>
The air-conditioner functions but the room is not cooled	<ul style="list-style-type: none"> <li>window open</li> <li>source of heat in the room (heater, lamp, etc.) or the room is very crowded</li> <li>the thermostat is set too high</li> <li>the air filter is dirty</li> <li>the air-conditioner is not powerful enough for the size or the conditions of the room</li> </ul>	<ul style="list-style-type: none"> <li>close the window</li> <li>remove source of heat</li> <li>lower the thermostat setting</li> <li>clean the filter</li> </ul>





**FOR UNITED STATES ONLY:**



**LIMITED WARRANTY**

We warrant each DE'LONGHI AIR-CONDITIONER to be free from defects in manufacturing. Our obligation under this warranty is to provide one year parts and labor from purchase date, with an additional four (4) years on any part of the sealed system consisting of compressor, evaporator, condenser and factory connected refrigerant tubing. This warranty shall apply only if the AIR-CONDITIONER is used in accordance with the factory instructions that accompany it, and on Alternating Current (AC) circuit. This warranty is in lieu of all other warranties and representations, expressed or implied, and all other obligations or liabilities of any part. We do not authorize any other person or company to assume for us any liability in connection with the sale or use of our AIR-CONDITIONER. This warranty shall not apply to any AIR-CONDITIONER which shall have been repaired or altered outside of our factory or nor shall it apply to any AIR-CONDITIONER which has been subjected to misuse or accidents.

If repairs become necessary or spare parts are needed, please write to:

**SERVICE**  
**PHONE N° 1.800.322.3848**

**DE'LONGHI AMERICA**  
**WEST PLAZA ONE 4TH**