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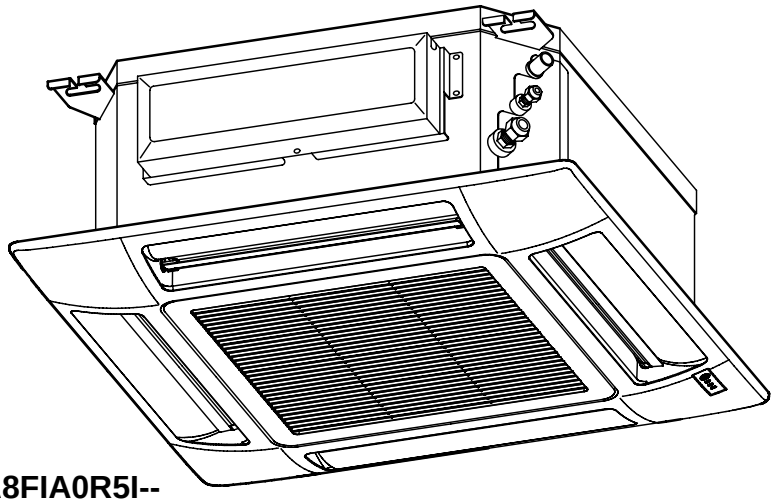
OPERATING INSTRUCTIONS • *ISTRUZIONI D'USO*
NOTICE D'UTILISATION • *BEDIENUNGSANLEITUNG*
INSTRUCCIONES DE USO



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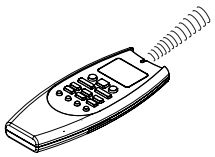

Split air conditioner system • *Condizionatore d'aria split system*
Climatiseurs split • *Split-klimagerät*
Acondicionador de aire de consola partida sistema split

37.4254.070.00 04/2015

CONTENTS

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PRODUCT INFORMATION

If you have problems or questions concerning your Air Conditioner, you will need the following information. Model and serial numbers are on the nameplate on the bottom of the cabinet.

Model No. _____

Serial No. _____

Date of purchase _____

Dealer's address _____

Phone number _____

ALERT SYMBOLS

The following symbols used in this manual, alert you to potentially dangerous conditions to users, service personnel or the appliance:

WARNING

This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.

CAUTION

This symbol refers to a hazard or unsafe practice which can result in personal injury or product or property damage.

NOTE

This air conditioner is equipped with cooling, drying, heating and fan only functions.
Details on these functions are provided below; refer on these descriptions when using the air conditioner.

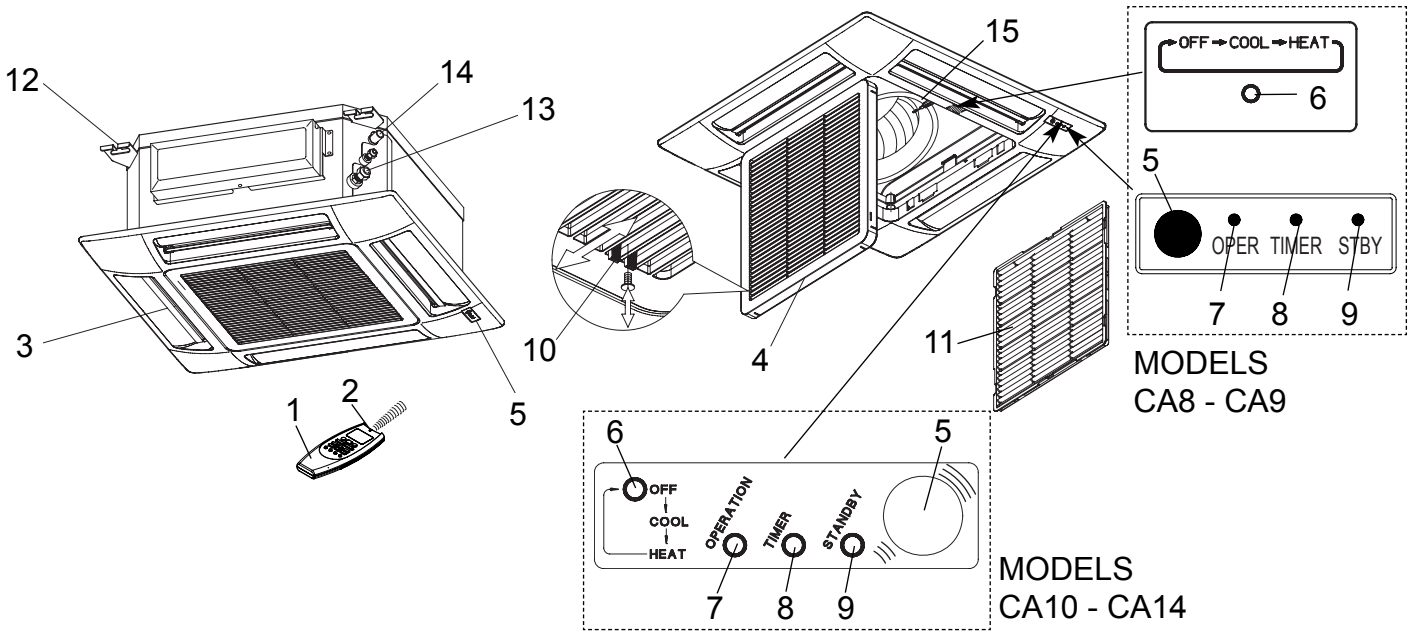
DECLARATION OF CONFORMITY

This product is marked CE as it satisfies Directives:

- Low voltage no. 2006/95/EC. *(Standard: EN60335-2-40:2003 (incl. Corr.:2006) + A11:2004 + A12:2005 + A13:2012 + A1:2006 + A2:2009 con EN 60335-1:2002 + A11:2004 + A1:2004 + A12:2006 + A2:2006 + A13:2008 + A14:2010 + A15:2011).*
- Electromagnetic compatibility no. 2004/108/EC, 92/31 EEC and 93/68 EEC. *(Standard: EN55014-1 (2006) + A1(2009) + A2(2011), EN 55014-2 (1997) + A1(2001) + A2 (2008), EN 61000-3-2 (2006) + A1(2009) + A2(2009), EN 61000-3-3 (2008)*
- *RoHS2 no.2011/65/EU.*
- *Regulation (EU) no. 206/2012, of 6 march 2012, concerning the specifications for ecodesign requirements of air conditioners and fans.*
- *Regulation (EU) no. 626/2011, of 4 may 2011, concerning the labeling indicating the energy consumption of air conditioners.*

This declaration will become void in case of misuse and/or non observance though partial of manufacturer's installation and/or operating instructions.

NAME OF PARTS AND OPERATION SELECTOR SWITCH



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1. **Remote control unit.**
2. **Remote control sensor:** Detects the room temperature around the remote control unit, the air conditioner is controlled accordingly.
3. **Air outlet:** Conditioned air is blown out of the air conditioner through the air outlet.
4. **Air intake:** Air from the room is drawn into this section and passes through air filter which removes dust.
5. **Remote control receiver:** This section picks up infrared signals from the remote control unit (Transmitter).
6. **Operation selector (without remote control):** Push the button to walk through the operation modes (OFF, COOL and HEAT)

WARNING

The OFF position does not disconnect the power. Use the main power switch to turn off power completely.

7. **OPERATION lamp:** This lamp lights up during operation.
8. **Spia TIMER:** This lamp lights up when the system is being controlled by the timer.
9. **Spia attesa (STANDBY):** This lamp lights up when the air conditioner is connected to the power , but it is in STANDBY (it doesn't operate or it is waiting to start).

NOTA

When the unit receives a signal from the remote controller, all the three lamps (OPERATION, TIMER and STANDBY) light up for a moment to indicate the correct signal reception.

10. **Air intake latch, on two sides.**
11. **Air filter.**
12. **Suspension brackets.**
13. **Refrigerant couplings.**
14. **Condensate drain connection.**
15. **Sensor:** Detects the room temperature around the unit.

OFF LAMPS FUNTION

It is possible to set the air conditioner in order to let the OPERATION, TIMER and STANDBY lamps always OFF, even during operation.
Be sure that the remote controller is ON (using the ON/OFF button) and that the symbol Filter on the display of remote controller is OFF, then Press contemporary the IFEELand FAN buttons on the remote control unit for more then 5 seconds.
Repeat the same procedure to set again the normal operation conditions.

In case of troubleshooting the air conditioner diagnostic system activates the lamps accordingly, even if they are set to OFF. See paragraph TROUBLESHOOTING for further details.

If the air conditioner is powered, but the lamps are off, try to activate them using this procedure.

MULTI SPLIT SYSTEM only

The blinking of TIMER and STANDBY lamps and OPERATION lamp ON, indicates that:

1. **Indoor unit has not been addressed.**
2. **Heating mode has been selected, when the system was in cooling mode, or vice versa.**
   Select the correct mode, compatible with the system.

SEE AUTO-DIAGNOSIS TABLE

INSTALLATION LOCATION

- **We recommend this air conditioner to be installed properly by qualified installation technicians in accordance with the installation instructions provided with the unit.**

WARNING

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- **Do not install this air conditioner where there are fumes or flammable gases, or in an extremely humid space such as a green house.**
- **Do not install the air conditioner where excessively high heat-generating objects are placed.**
- **Do not install the air conditioner where the atmosphere is extremely damp or humid (e.g. greenhouse or laundry) it could be wetted by drops of water (i.e. in laundries).**

ELETRICAL REQUIREMENTS

- Before installation, check that the voltage of the electric supply in your home or office is the same as the voltage shown on the nameplate.
- All wiring must conform to the local electrical codes. Consult your dealer or a qualified electrician for details.
- Each unit must be properly grounded with a ground (or earth) wire or through the supply wiring.
- Wiring must be done by a qualified electrician.

SAFETY INSTRUCTIONS

- **Read this booklet carefully before using this air conditioner. If you still have any difficulties or problems, consult your dealer for help.**
- **This air conditioner is designed to give you comfortable room conditions. Use this only for its intended purpose as described in this Instruction Manual.**

WARNING

- Never use or store gasoline or other flammable vapor or liquid near the air conditioner. It is very dangerous.
- **Never install electrical equipment, which is not protected with IPX1 protection (protection against vertical water drop), under the unit.**
- The manufacturer assumes no responsabilities if the safety regulations or local codes are not observed.

CAUTION

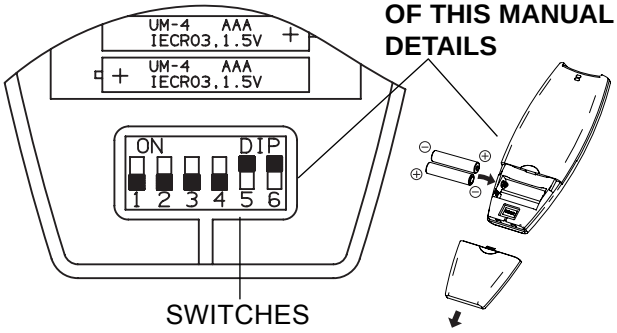
- **Never use the power main switch to start or stop the air conditioner: always use the ON/OFF button on the remote control unit or the selector switch on the unit.**
- **Do not let children play with the air conditioner.**
- **Do not cool the room too much if babies or invalids are present.**
- **This air conditioner 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 air conditioner by a person responsible for their safety.**

USING THE REMOTE CONTROL UNIT

HOW TO INSTALL BATTERIES

- Remove trhe lid in the rear part of the remote control unit and check the settings of the four microswitches as shown below:

PLEASE, SEE THE END OF THIS MANUAL FOR DETAILS



- Insert two AAA alkaline batteries of 1,5 V-DC making sure that point in the direction marked in the battery compartment.The displayed time flashes.
  Press the SEL TYPE button.
  Remote controller is now ready for operation.
- The batteries last average more than six months, anyway it depends on how much you use the remote control unit.
  Remove the batteries if you do not use the remote control unit for more than one month.
  Replace the batteries when the remote control unit lamp fails to light, or when the air conditioner does not receive the remote control unit signals.
- The batteries of the remote control contain polluted substances. Exhausted batteries must be disposed according to the laws in force.

NOTE **IF YOU INSTALL MORE THAN ONE INDOOR UNIT IN THE SAME ROOM:**

It is possible to utilise only one remote control for all the units.

On the contrary, if you want to address each remote control to its unit, follow the procedure"Remote control unit/indoor unit address" (see Installation Instructions).

TEMPERATURE SENSOR SELECTOR

- Under normal conditions the room temperature is detected and checked by the temperature sensor placed in the remote controller (I FEEL icon displayed).This function is designed to provide a comfortable room temperature by transmitting the temperature control command from the location next to you. When using this function, the remote, control should always be pointed at the air conditioner , therefore it should be placed in a position in which it is visible by the indoor unit (for example, do not put it in a drawer).
- It is possible to disable the remote controller room sensor pressing the I FEEL button. In this case the I FEEL icon on the remote controller display lights of f and only the sensor placed in the air conditioner becomes active.

NOTE

The remote control unit transmits signals to the indoor unit each time you press a key and at any temperature change detected by the IFEEL sensor. In case of troubles (low batteries, remote control placed in a position not visible by the indoor unit,...) room temperature control is automatically switched to the sensor of the indoor unit. In this case, the temperature around the remote control unit may differ from the temperature detected in the air conditioner position.

OPERATION WITH THE REMOTE CONTROL UNIT

When using the remote control unit, always point the unit transmitter head directly at the air conditioner receiver.

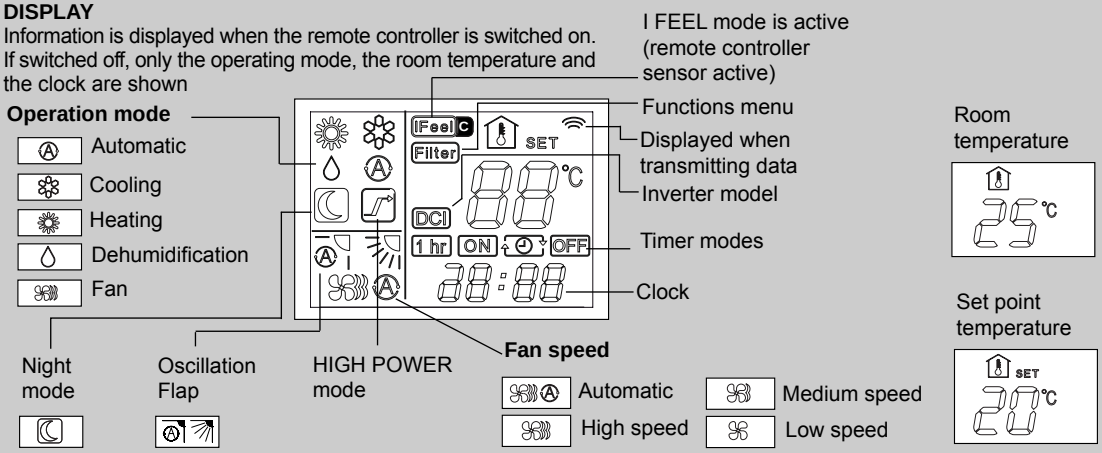
HOW TO TURN ON THE AIR CONDITIONER

Press the ON/OFF button to turn the air conditioner on. The OPERATION lamp will light up, indicating the unit is in operation.

REMOTE CONTROL UNIT

EG

DISPLAY
Information is displayed when the remote controller is switched on. If switched off, only the operating mode, the room temperature and the clock are shown



MODE SELECTOR BUTTON
Press this button to modify the air conditioner mode.

(cooling)

The air conditioner makes the room cooler.

(dry)

The air conditioner reduces the humidity in the room.

(automatic)

When this setting is selected, the air conditioner calculates the difference between the thermostat setting and the perceived room temperature and automatically switches to the "cool" or "heat" mode.

(fan)

The air conditioner works only as a circulation fan.

TEMPERATURE SETTING BUTTONS

- (cooler)
Press this button to decrease the set temperature.

+ (warmer)
Press this button to increase the set temperature.

"FAN " BUTTON (fan speed)

Fan speed is automatically selected by the microcomputer.
High speed.
Medium speed.
Low speed.

NIGHT/ECO BUTTON

Press this button in order to select the NIGHT/ECO mode.

"HIGH POWER" BUTTON

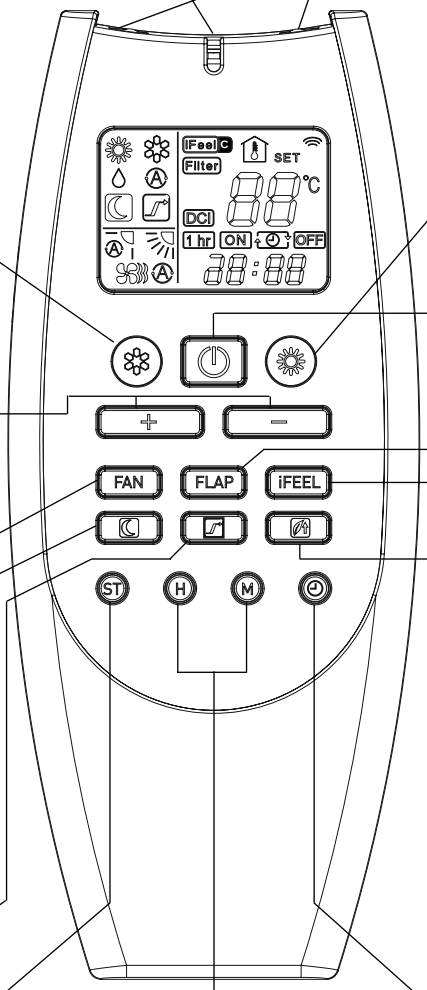
Press this button in order to select the HIGH POWER mode.

CLOK AND TIMER SETTING BUTTON

Press this button in order to:
• set the clock
• set the ON/OFF timer
For details refer to paragraphs "SETTING THE HOUR" and "SETTING THE TIMER".

SENSOR
A temperature sensor inside the remote control unit detects the room temperature.

TRANSMITTER
When you press the buttons of the remote control unit, the mark appears on the display to transmit the setting changes to the receiver in the air conditioner.



MODE SELECTOR BUTTON
Press this button to modify the air conditioner mode.

(heating)
The air conditioner makes the room warmer.

Fixed symbol: the fan stops when the set temperature is exceeded.

Blinking symbol (HEATING RECIRCULATION FUNCTION): the fan keeps running even after the set temperature is exceeded.

(automatic)
When this setting is selected, the air conditioner calculates the dif ference between the thermostat setting and the perceived room temperature and automatically switches to the "cool" or "heat" mode.

ON/OFF BUTTON
This button turns the air conditioner ON and OFF.

FLAP BUTTON
Press this button in order to select the desired function.

Fixed: six position
Continous oscillations
Automatically oscillations

IFEEL/IFEEL C SENSOR SELECTOR

Press this button to modify the active setting for room temperature detection (from remote controller to air conditioner and viceversa).

MENU BUTTON

Use this button in order to enter the functions menu.

HOURS AND MINUTES SETTING BUTTONS

With these buttons is possible to set the clock and the timer. For details refer to paragraphs " SETTING THE HOUR" and "SETTING THE TIMER".

TIMER SELECTION BUTTON

Press this button to select the type of timer to activate. For details refer to paragraph "SETTING THE TIMER".

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HOW TO SET THE PRESENT TIME

1. Press the button ST three times.
   The time indication alone flashes.
2. Press the H button until the present time hour is displayed. Press the M button until the present time minutes are displayed. The display will automatically stop flashing.

COOLING

NOTE

Verify that the unit is connected to the main power and the STANDBY lamp is light up.

1. Set the selector to COOL (symbol on the display).
2. Press the +/- buttons (temperature selection) to set the desired temperature (the temperature range is between 32 °C max. and 10 °C min.).

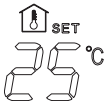
THE DISPLAY SHOWS THE SELECTED TEMPERATURE.

AFTER 5 SECONDS FROM THE REQUIRED TEMPERATURE SETTING THE DISPLAY WILL SHOW THE ROOM TEMPERATURE AGAIN.

3. Press the FAN button to select the fan speed.

HEATING

1. Set the selector to HEA T (fixed or blinking symbol on the display.
2. Press the +/- buttons (temperature selection) to set the desired temperature (the temperature range is between 32 °C max. and 10 °C min.).



THE DISPLAY SHOWS THE SELECTED TEMPERATURE.

AFTER 5 SECONDS FROM THE REQUIRED TEMPERATURE SETTING THE DISPLAY WILL SHOW THE ROOM TEMPERATURE AGAIN.

3. Press the FAN button to select the fan speed.

NOTES

For several minutes after the start of heating operation, the indoor fan will stop until the indoor heat exchanger coil has warmed up sufficiently. This is because the COLD DRAFT PREVENTION SYSTEM is operating. During this period, the STANDBY lamp remains lit.

Generally the fan stops when the set temperature is exceeded (when you have selected the fixed HEATING symbol).

HEATING RECIRCULATION FUNCTION

If you want to let the fan run even after the set temperature is exceeded, for example, in order to make the heating, coming from a nearby source, circulate (eg. fireplace installed under the air conditioner), press the selector until the blinking HEATING symbol is displayed.

DEFROSTING OF OUTDOOR UNIT HEAT EXCHANGER

When the outdoor temperature is low, frost or ice may appear on the heat exchanger coil, reducing the heating performance. When this happens, a protection function for the heat exchanger defrosting is activated. During this function operation, the fan of the indoor unit stops. Heating operation restarts after several minutes. (This interval will vary slightly depending on the room and outdoor temperature).

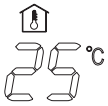
HEATING PERFORMANCE

A heat pump conditioner heats a room by taking heat from outside air. The heating efficiency will fall off when the outdoor temperature is very low. If enough heat is not obtained with this air conditioner, use another heating appliance in conjunction with it.

AUTOMATIC OPERATION

1. Set the or selector to AUTO (symbol Ⓐ on the display; also the symbol or remains displayed).
2. Press the +/- buttons (temperature selection) to set the desired temperature (the temperature range is between 32 °C max. and 10 °C min.).

THE DISPLAY SHOWS THE SELECTED TEMPERATURE.



AFTER 5 SECONDS FROM THE REQUIRED TEMPERATURE SETTING THE DISPLAY WILL SHOW THE ROOM TEMPERATURE AGAIN.

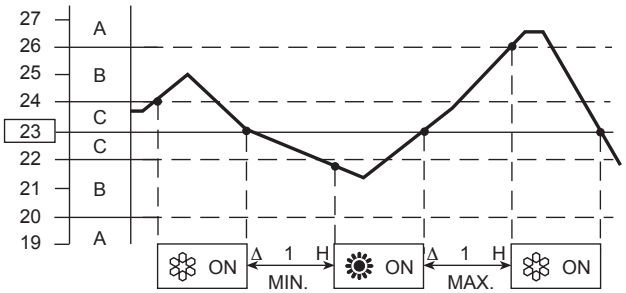
3. Press the FAN selector button to the setting you want.

During Automatic Operation the unit adjusts the room temperature understood as “perceived”.

The perceived temperature depends on the value of the room relative humidity, according to the “humidex” index.

When this setting is selected, the air conditioner will operate automatically switching to the COOL or HEAT mode as appropriate (regardless of the symbol displayed).

Example of operation diagram in the Ⓐ (Auto) mode with the set room temperature at **23°C**.



NOTE

The air conditioner changes the operation mode (from cool to heat or vice versa, if one of the following conditions occurs:

- **ZONE A:** changes if the difference between the room temperature and the temperature set on the remote control unit is at least 3°C..
- **ZONE B:** changes if the difference between the room temperature and the temperature set on the remote control unit is at least 1°C, one hour after the compressor stop.
- **ZONE C:** never changes if the difference between the room temperature and the temperature set on the remote control unit is no more than 1°C.

AUTOMATIC OPERATION IN MULTISPLIT CONFIGURATION

When the air conditioning system configuration is multisplit and there is more than one indoor unit connected, the automatic mode operates as follows:

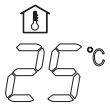
- the first unit that switches on the system also decides the operation mode (cooling or heating) for all the other units that will be switched on after the first one;
- when the system has been switched on in cooling mode and one unit is activated in heating mode, an error will be signaled for this unit (wrong operating mode). If the same unit is switched on in “automatic” mode and the desired temperature is lower than the detected ambient temperature, the unit will operate in cooling mode, like the other units of the system; on the contrary , if the desired temperature is higher than the detected one, the unit will operate in fan mode;
- when the system has been switched on in heating mode and one unit is activated in cooling mode, an error will be signaled for this unit (wrong operating mode). If the same unit is switched on in “automatic” mode and the desired temperature is higher than the detected ambient temperature, the unit will operate in heating mode, like the other units of the system; on the contrary, if the desired temperature is lower than the detected one, the unit will operate in fan mode.

DEHUMIDIFYING (DRY)

1. Set the button to DRY. The icon is displayed.

2. Press the +/- buttons (temperature selection) to set the desired temperature (the temperature range is between 32 °C max. and 10 °C min.).

THE DISPLAY SHOWS THE SELECTED TEMPERATURE.



AFTER 5 SECONDS FROM THE REQUIRED TEMPERATURE SETTING THE DISPLAY WILL SHOW THE ROOM TEMPERATURE AGAIN.

NOTE

- Use DRY operation when you want to reduce the humidity in the room.
- Dehumidifying operation is adjusted both by the difference between set temperature and air temperature, and by the value of relative humidity, detected by the sensor.
- During DRY operation, the fan speed is automatically set (Remote control lamp is ON) to prevent overcooling.
- Dry operation is not possible if the indoor temperature is 10 °C or less.
- When room temperature is above set value, the unit operates to dehumidificate so efficient as possible.
- When room temperature is below set value, the unit will not stop, it will proceed operating with low power to dehumificate and, in small spaces, temperature could drop below 10°C.

FAN ONLY

If you want to make air circulate without any temperature control, press button until only the fan symbol appears on the display.

ADJUSTING THE FAN SPEED

AUTOMATIC

Simply set the FAN selector to the position.The unit automatically controls the fan speed when theAUTO mode is selected. When the air conditioner starts operating, in heating or cooling, the fan speed varies according to the thermal load of the room.

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MANUAL

If you want to manually adjust speed just set the FAN selector as desired.

High speed Med. speed Low speed

NIGHT MODE / ENERGY SAVING

- This mode enables you to save energy.

1. Set the or selector to cool, dry or heat.

2. Press the button.

3. The mark appears on the display . Press the button again to release the function.

What does the NIGHT mode mean?

When you select the NIGHT mode, the air conditioner will modify automatically the set temperature after 60 minutes. This enables you to save energy without sacrificing your comfort.

OPERATING MODE	SET TEMPERATURE CHANGE
Heating	Lowered by 2 °C
Cooling and Dry	Raised by 1 °C

NOTA

During the NIGHT mode the internal fan speed is automatically lowered and reduces the noise.

HIGH POWER MODE

When this mode is active the internal fan speed is set automatically and the air conditioner operates at the maximum power in the selected operating mode (cooling or heating).

1. Press the HIGH POWER button.

3. The mark appears on the display . Press the button again to release the function..

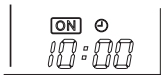
NOTE

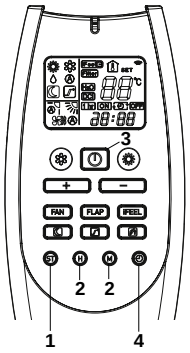
During the high power operation the room temperature could not correspond to the set temperature.

SETTING THE TIMER

A) HOW TO SET THE ON TIME

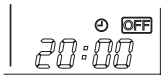
1. Press the ST button once.
   The ON and time indications flash.
2. Press the H button until the designed hour is displayed.
   Press the M button until the designed minutes are displayed. The display will change automatically back to show the present time after 10 sec.
3. Press the ON/OFF button to start the air conditioner.
4. Press the button to activate the ON timer.





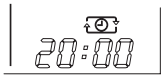
B) HOW TO SET THE OFF TIME

1. Press the ST button twice.
   The OFF and time indications flash.
2. Press the H button until the designed hour is displayed.
   Press the M button until the designed minutes are displayed. The display will change automatically back to show the present time after 10 sec.
3. Press the ON/OFF button to start the air conditioner.
4. Press the button two times to activate the OFF timer.



C) HOW TO SET A PROGRAM FOR DAILY ON/OFF OPERATION (OR VICEVERSA)

1. Set the timer ON/OFF as shown in A) and B).
2. Press the ON/OFF button to start the air conditioner.
3. Press three times the button to activate the DAILY timer.



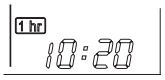
NOTE

After timer setting, press ST button in order to check the ON/OFF setting time.

SETTING THE 1 HOUR TIMER

This function causes the unit to operate for one hour at the set conditions, regardless of whether the unit is on or off.

TIMER SETTING PROCEDURE.



- Press four times the button.The 1 HOUR TIMER mark will appear on the display.

CANCELLATION PROCEDURE

- Press the ON/OFF button to turn the air conditioner off.
- Wait for the indoor unit to stop operating.
- Press the ON/OFF button again to turn the air conditioner on.

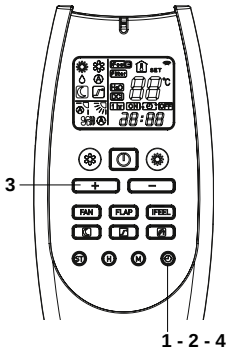
SETTING THE HOLIDAY TIMER

The Holiday Timer function allows you to activate the indoor unit (either it is the only one of a monosplit system or one unit of a multisplit system), with a dalay up to 99 days you can set for the Daily Timer, On Timer, Off Timer functions (not available for 1 HOUR TIMER) already explained in this manual.
With this function you can set the air conditioner to be switched on again after a long week end, a holiday of one week or more, ecc…

To activate this function you have to follow the following steps in order :

1. Keep pressed the button “TIMER SELECTION” of the remote control unit (clock figure) for more than 6~7 seconds. In this way you enter the menu to select the number of days of delay.
2. Select the desired timer (Daily Timer, On Timer, Off Timer) pressing on the same button “TIMER SELECTION”.
3. Set the desired number of days of delay using the button “+” .
4. Keep pressed again the button “TIMER SELECTION” for more than 6~7 seconds. You enter again the normal menu of the remote control unit.

At this point, the symbol of the desired timer will flash and the selected timer will be activated only after the set number of delay days.



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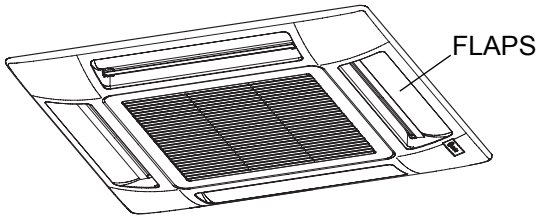
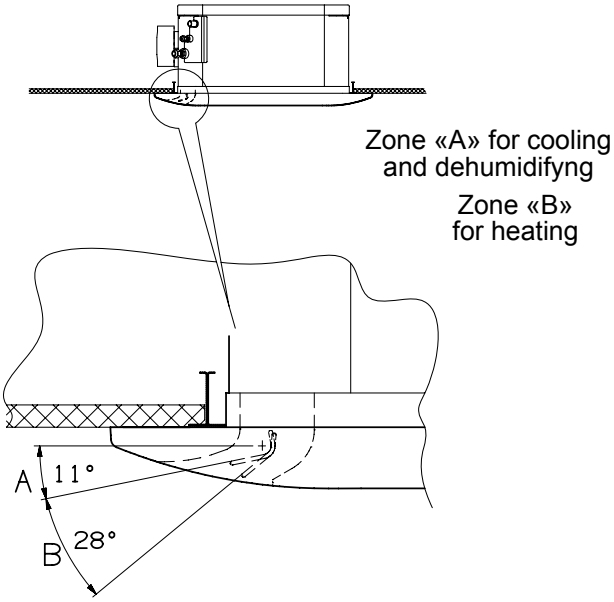
ADJUSTING THE AIR FLOW DIRECTION

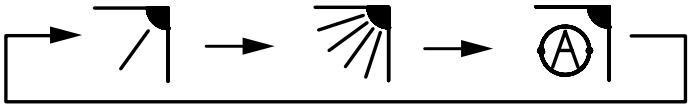
You can adjust the air flow direction using the 4 flaps of the grille frame. Chose the best position according to the operation mode and the recommended flap position.



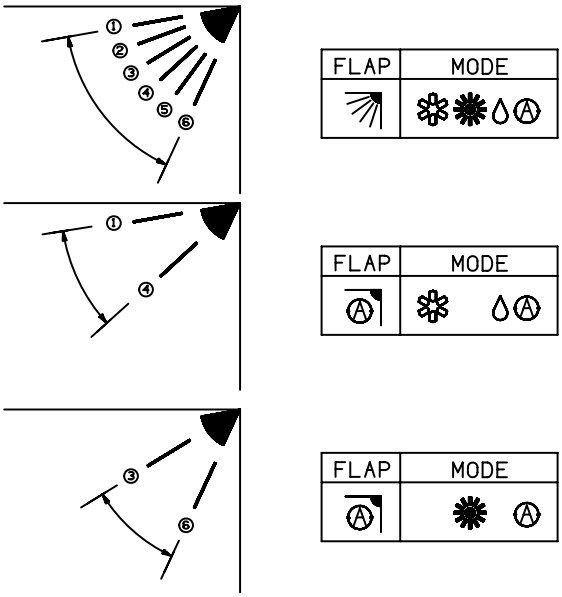
HOW TO ADJUST THE FLAP DIRECTION



Press the FLAP button to select the flap function.



Fixed: six position | **Continous oscillations** | **Automatical oscillations**



NOTES

- The flap automatically closes when the unit is off.
- If automatical oscillation is selected, when the unit starts in heating operation, the fan stops and the flap is in fixed position until the air being blown out of the unit begins to warm. Once the air warms up, the flap position and fan speed change to the settings specified with the remote control.

CAUTION

Do not move the flap with your hands when the air conditioner is running.

CAUTION

- **Use the FLAP button on the remote control to adjust the position of the flap. If you move the flap by hand, the factual flap position and the flap position on the remote control may no longer match. If this should happen, shut off the unit, wait for the flap to close, and then turn on the unit again; the flap position will now be normal again.**
- **Do not have the flap pointed down during cooling operation. Condensation may begin to form around the air vent and drip down.**

OPERATION WITHOUT THE REMOTE CONTROL UNIT

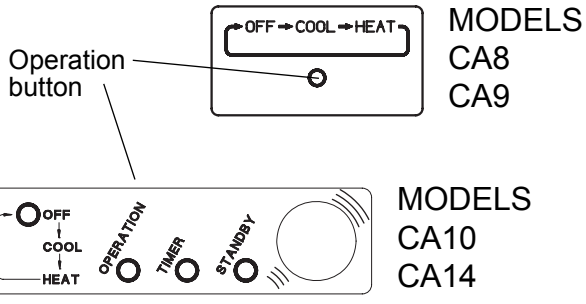
If you have lost the remote control unit or it has troubles, follow the steps below.

1. WHEN THE AIR CONDITIONER IS STOPPED
If you want to turn on the air conditioner push the OPERATION selector with a pen to select the desired mode (COOL or HEAT).

NOTE

The air conditioner will start in HIGH fan speed. The temperature setting is 25°C for cooling mode and 21°C for heating mode.

2. WHEN THE AIR CONDITIONER IS RUNNING
If you want to turn of f the air conditioner push the OPERATION selector with a pen until the OPERA TION lamp is turned off.



POWER FAILURE DURING OPERATION

In the event of power failure, the unit will stop. When the power is resumed, the unit will restart automatically after 3 minutes.

EG

CARE AND CLEANING

WARNING

- Maintenance operations must be carried out by specially trained personnel.
- For safety, be sure to turn the air conditioner of and also to disconnect the power before cleaning.
- Do not pour water on the indoor unit to clean it. This will damage the internal components and cause an electric shock hazard.

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CASING AND GRILLE (INDOOR UNIT)

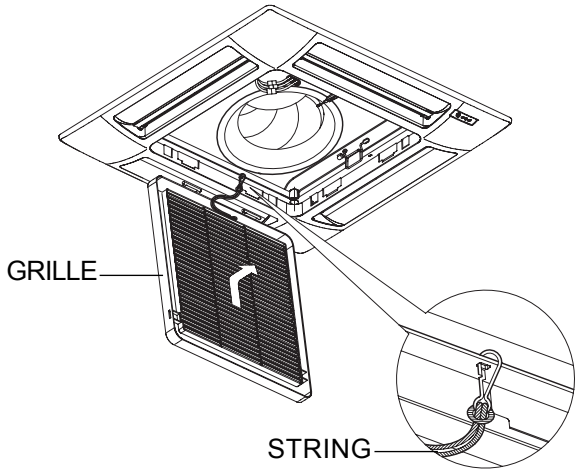
Clean the casing and grille of the indoor unit with a vacuum cleaner brush, or wipe them with a clean, soft cloth.
If these parts are stained, use a clean cloth moistened with a mild liquid detergent.
When cleaning the grille, be careful not to force the vanes out of place.

CAUTION

- Never use solvents, or harsh chemicals when cleaning the indoor unit. Do not wipe the plastic casing using very hot water.
- Some metal edges and the vanes are sharp and may cause injury if handled improperly; be especially careful when you clean these parts.
- The internal coil and other components of the outdoor unit must be cleaned every year. Consult your dealer or service centre.

HOW TO REMOVE THE AIR INTAKE GRILLE

The air intake grille can be removed in order to wash it with water.



- Detach the safety string from the frame (remember to attach it again after cleaning or maintenance).
- Open the air intake grille, hold it on and pull it toward you to detach the two guides.

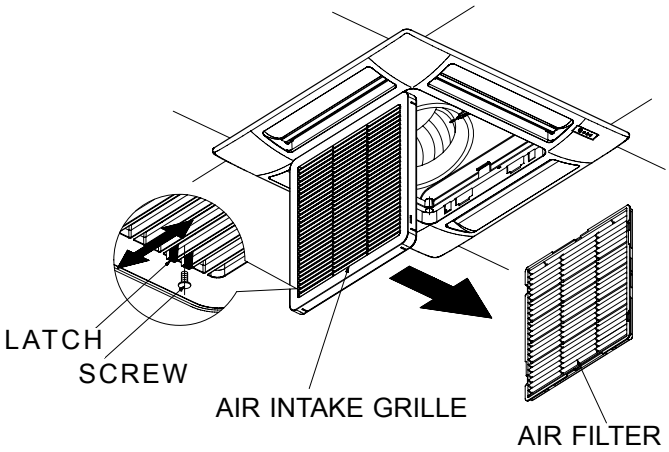
Washing the grille with water

- Clean the grille gently using a soft sponge, or the like. Then wipe away any remaining moisture.
- Neutral detergent may be used to remove stubborn dirt. Then rinse thoroughly with water and wipe away any remaining moisture.

AIR FILTER

The air filter should be cleaned at least once every six months or more frequently; it depends on the real operation conditions.

HOW TO REMOVE THE FILTER



1. Remove the screw on each side out of the latch using a screwdriver.

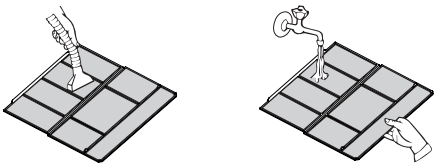
2. Press on the two latches of the air intake grille with your thumbs in the direction of the arrow to open the grille.

3. Open the air intake grille downward.

4. Remove the air filter from the air intake grille. Clean the air filter.

5. Insert the filter correctly again inside the grille, close the grille letting the latches slide toward the outside and fix again the latch with the screw on both sides.

FILTER CLEANING



Use a vacuum cleaner to remove light dust. If there is sticky dust on the filter, wash the filter in lukewarm, soapy water, rinse it in clean water, and dry it.

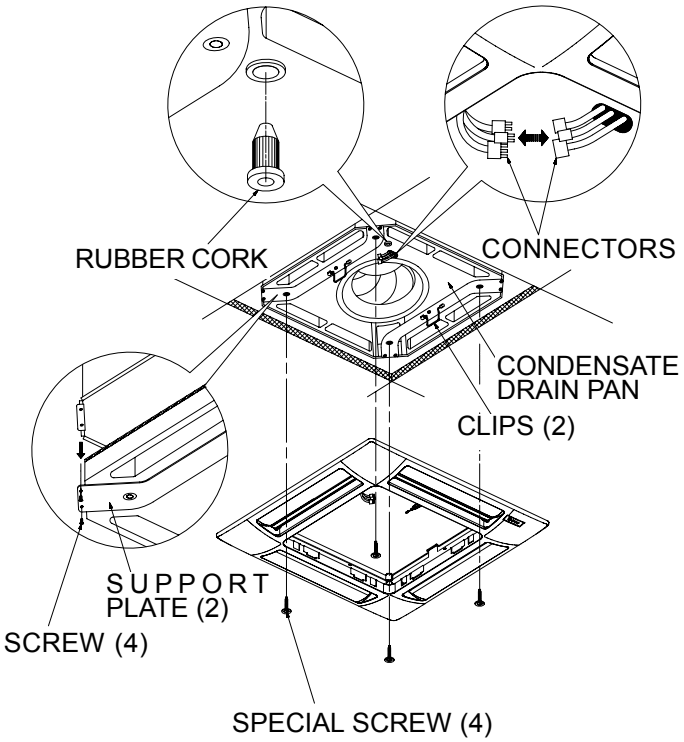
ADDITIONAL MAINTENANCE

The inspection or replacement of internal components involve the removal of the condensate drain pan.

CAUTION

Some metal edges and the vanes of heat exchanger are sharp and may cause injury if handled improperly; be especially careful when you clean these parts.

HOW TO REMOVE THE CONDENSATE DRAIN PAN



1. Open the air intake grille.

2. Drain the condensate water into a bucket trough the rubber cork that should be soon closed.

3. Remove the frame-grille assembly by loosening the four special screws with washer; you can utilise the two clips that fix the frame to the unit.

4. Disconnect the electrical connectors between the frame-grille assembly and the unit.

5. Remove the four screws of the two support plates.

6. Grasp the two support plates, remove with care the condensate drain pan and clean it inside, if necessary .

7. Once finished the maintenance, reassemble the pan, aligning the side with the hole for condensate drain and the side with the pump; insert the connectors of the unit into the proper hole in the pan.

8. Fix again the four screws of the support plates and the frame group aligning the corner from which the wires exit and the corner with the connectors of the unit.

9. Mount the air intake grille along with the filter; be sure that the safety string has been attached and that the latch screw has been fixed on both sides.

TIPS FOR ENERGY SAVING

DO NOT:

- Block the air intake and outlet of the unit. If they are obstructed, the unit will not work well, and may be damaged.
- Let direct sunlight into the room. Use sunshades, blind or curtain.

DO:

- Always try to keep the air filter clean. A clogged filter will impair the performance of the unit.
- To prevent conditioned air from escaping, keep windows, doors and any other openings closed.

EG

TROUBLESHOOTING

WARNING

- The use of portable telephones near the air conditioner may cause disturbance to its normal operation and must be avoided. In case abnormal operation is noticed, (OPERATION lamp lights, but the air conditioner will not run) to restore normal operation turn-off electric supply for about 3 minutes, by disconnecting the main switch or the wall plug, then start again the air conditioner.

If your air conditioner does not work properly , first check the following points before requesting service.
If it still does not work properly, contact your dealer or service centre.

Trouble: the air conditioner does not run at all.
Possible cause:
1. Power failure.
2. Leakage breaker tripped.
3. Operation button is OFF.
4. Batteries in remote control unit have run down.

Remedy:
1. Restore power.
2. Contact service centre.
3. Press the button again.
4. Replace batteries.

Trouble: Poor cooling or heating performance.
Possible cause:
1. Dirty or clogged air filters.
2. Heat source or many people in room.
3. Doors and/or windows are open.
4. Obstacle near air intake or air discharge port.
5. The set temperature on the remote control unit is too high.
6. Outdoor temperature is too low (heat pump version).
7. Defrosting system does not work (heat pump version).

Remedy:
1. Clean air filters to improve airflow.
2. Eliminate heat source if possible.
3. Shut them to keep the heat or cold out.
4. Remove it to ensure good airflow.
5. Set the right temperature on the remote control unit.
6. Try to use a back-up heater.
7. Consult your dealer.

Trouble: Clicking sound is heard from the air conditioner.
Possible cause:
1. During operation, any plastic parts may expand or shrink due to a sudden temperature change. In this event, a clicking sound may occur.

Remedy:
1. This is normal, and the sound will disappear when an even temperature is settled.

AUTO-DIAGNOSIS TABLE

ERROR	LEDS OPERATION	LEDS TIMER	LEDS STANDBY	POSSIBLE CAUSE	SYSTEM BEHAVIOUR	SOLUTION
E0	•	F	F	Unit has not been addressed correctly. Operating mode selected is not compatible with the system (ex. heating mode has been selected, when the system was in cooling mode, or vice versa).	Fan is stopped and flap is closed. The system restarts automatically as soon as the unit is addressed correctly. Fan is stopped and flap is closed. The system restarts automatically as soon as a correct operating mode is selected.	Set the outdoor/indoor unit refrigerant circuit address (see Installation Instructions) Select an available or compatible mode with the other units of the system.
E1	O	O	F	Error on the outdoor unit.	Fan is stopped and flap is closed. The system restarts automatically as soon as the problem on the outdoor unit is solved.	Check the error code using the appropriate LEDs on the PCB of the outdoor unit. Follow the indications of the diagnosis for the outdoor unit.
E2	F	O	O	Malfunctioning of the condensate drainage system.	Fan is stopped and flap is closed. Condensate drainage pump is activated. The system restarts automatically as soon as the condensate water returns below the safety level.	Check that the condensate water tube is not obstructed. Check that the condensate water tube has been installed correctly. Check that the condensate drainage pump is not defective and that it has been connected to the PCB as shown in the electrical wiring diagram. Check that the float is not blocked or defective and that it has been connected to the PCB as shown in the electri-

O = LED OFF • = LED ON F = Flashing LED

ERROR	LEDS OPERATION	LEDS TIMER	LEDS STANDBY	POSSIBLE CAUSE	SYSTEM BEHAVIOUR	SOLUTION
E3	F	F	F	Communication error between the outdoor unit and the indoor unit	Fan is stopped and flap is closed after 30 seconds of missing communication. The system restarts automatically as soon as the communication is recovered.	Check that connections between C1 and C2 on outdoor and indoor terminal block are correct (C1 terminals connected together, C2 terminals connected together). Check that a shielded communication cable has been used. Check that the dip-switch SW2 for communication address setting is in the correct position. Check that all earth cables are properly connected to every terminal. Check that the shield of the communication cable is properly connected to every terminal. Check the communication fuse on outdoor and indoor unit. Check that the outdoor unit has power supply and that it is working. Check that all PCBs are powered on. Be sure that power supply has not been connected to the communication terminals. Check that there are no burnt signs on the PCBs, in particular close to communication cables. Check that the fan motor is not damaged and it doesn't create short circuit on the indoor PCB.

O = LED OFF ● = LED ON F = Flashing LED

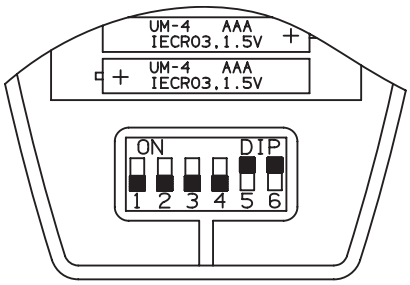
ERROR	LEDS OPERATION	LEDS TIMER	LEDS STANDBY	POSSIBLE CAUSE	SYSTEM BEHAVIOUR	SOLUTION
E4	F	F	O	Defective or not connected indoor coil temperature sensor.	Fan is stopped and flap is closed. The system restarts automatically as soon as the sensor is repaired.	Check that the sensor is properly connected to the PCB as shown in the electrical wiring diagram. Check that the sensor is not damaged and, if necessary, replace it.
E5	F	O	F	Defective or not connected room air temperature/humidity sensor.	Fan is stopped and flap is closed. The system restarts automatically as soon as the sensor is repaired.	Check that the sensor is properly connected to the PCB as shown in the electrical wiring diagram. Check that the sensor is not damaged and, if necessary, replace it.
E6	O	F	F	Fan motor error.	Fan is stopped and flap is closed. The system restarts automatically after some seconds.	Check that the fan motor is properly connected to the PCB as shown in the electrical wiring diagram. Check that the fan motor is not locked. Check that the fan motor is not damaged and, if necessary, replace it.
E8	O	F	O	Combination between outdoor unit and indoor units is not correct.	Fan is stopped and flap is closed.	Check that you have selected, during the installation of the system, a proper combination between outdoor unit and indoor units. Check that none of the indoor units of the system has a communication error. If present, first solve this error.

O = LED OFF ● = LED ON F = Flashing LED

NOTE: If the trouble is not solved with the above actions, contact your service centre.

EXPLANATION AND USE OF THE REMOTE CONTROL UNIT'S MICROSWITCHES

Switch 1 and 2: These switches are used to match the remote control with the specific internal units.
Switch 3 and 4: these switches have been provided for future use; they have no function today. Keep them in OFF position.
Switch 5 and 6: these switches set the remote control in WIRELESS or WIRED mode. Default position is ON (WIRELESS mode). For WIRED control, remove the batteries and set in OFF position.



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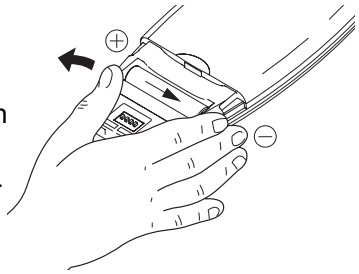
HOW TO REMOVE BATTERIES

- Remove the lid.
- Press the battery toward the negative end and lift it out by its positive end (as shown in the figure).
- Remove the other battery in the same way .



INFORMATION FOR CORRECT DISPOSAL OF THE PRODUCT IN ACCORDANCE WITH THE EUROPEAN DIRECTIVE 2012/19/EU

At the end of its working life this equipment must not be disposed of as an household waste.
It must be taken to special local community waste collection centres or to a dealer providing this service.
Disposing of an electrical and electronic equipment separately avoids possible negative ef fects on the environment and human health deriving from an inappropriate disposal and enables its components to be recovered and recycled to obtain significant savings in energy and resources.
In order to underline the duty to dispose of this equipment separatelythe product is marked with a crossed-out dustbin.

INFORMATION FOR CORRECT DISPOSAL OF THE BATTERY IN ACCORDANCE WITH THE EUROPEAN DIRECTIVE 2006/66/EC

Please replace battery when its electricity charge is used up: please do not eliminate this battery together with normal household waste. It must be taken to special local community waste collection centres or to a dealer providing this service. Disposing of a battery separately avoids possible negative ef fects on the environment and human health deriving from an inappropriate disposal and enables its components to be recovered and recycled to obtain significant savings in energy and resources. In order to underline the duty to dispose of this equipment separately, the battery is marked with a crossed-out dustbin.

REGULATION (EU) No. 517/2014 - F-GAS

The unit contains R410A, a fluorinated greenhouse gas with a global warming potential (GWP) of 2087.50. Do not release R410A into the atmosphere.

Technibel

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