Room Controller

General information and characteristics
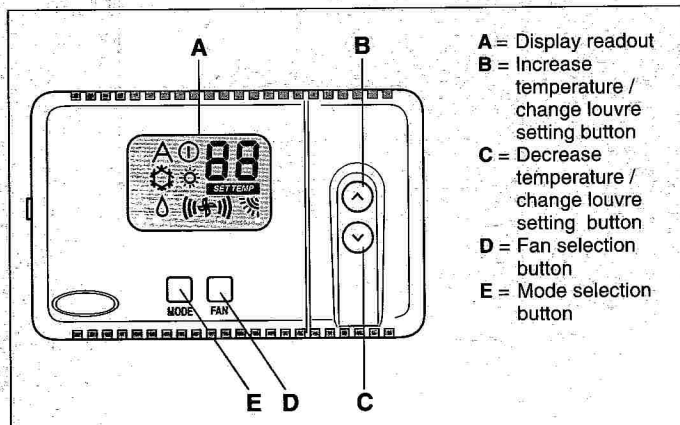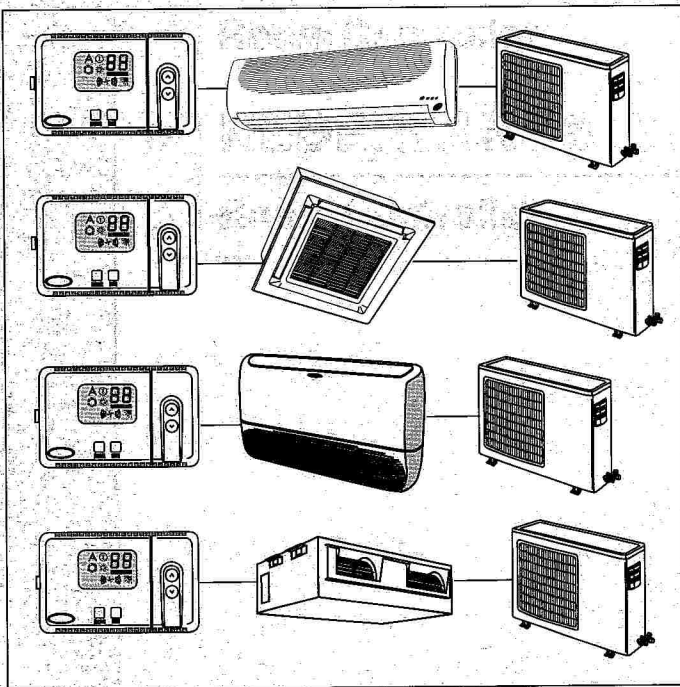
IMPORTANT:
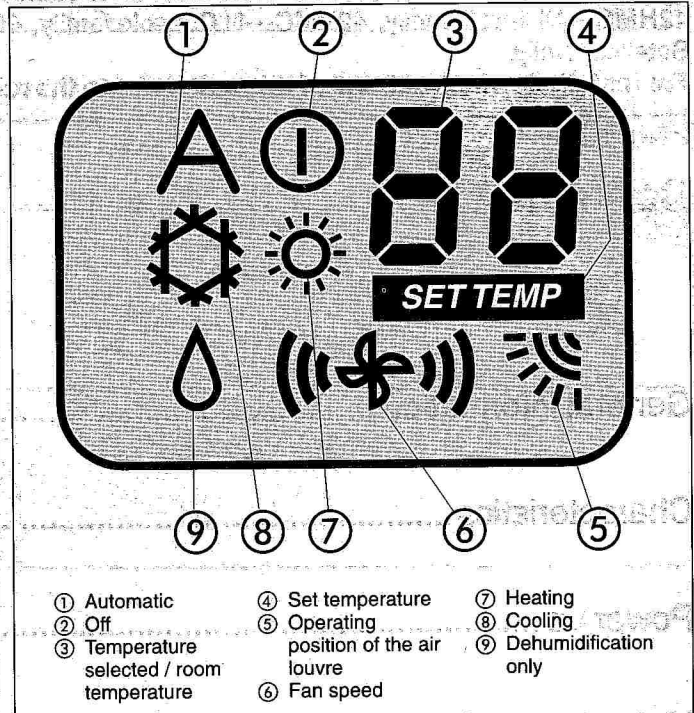**Read this manual carefully before using the appliance.**

In case of mains power supply failure, the autonomous operation of the Room Controller is maintaned for up to 2 hours.

- Pay special attention to maintaining a comfortable room temperature above all for children and elderly or handicapped persons.

- For correct use the conditioner must only operate at the temperatures indicated in the "Operating Limits" table in the installation manuals of the outdoor and indoor units.
  If the unit is made to operate beyond these limits faults or water leaks may occur.

- Make sure the Room Controller control unit has not been damaged during transport; if so, file an immediate claim with the shipping company.

- Use the appliance only for the purpose it was designed for.

- Dispose of packaging material in accordance with local requirements.

- Do not open the appliance to avoid damage. In case of malfunctioning, contact a qualified service engineer.
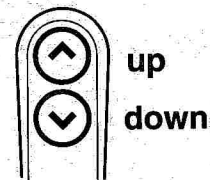
Room controller

Display of selected functions

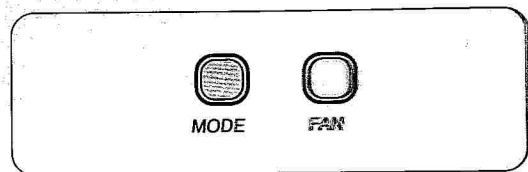|		
① Automatic	④ Set temperature	⑦ Heating
② Off	⑤ Operating	⑧ Cooling
③ Temperature	position of the air	⑨ Dehumidification
selected / room	louvre	only
temperature	⑥ Fan speed	

Characteristics

- **Single unit operation:**
  Ability to control one unit only.
- **Grouping:**
  Ability to control 2 to 6 units with one Room Controller.
- **Operating modes:**
  Off, Heat, Cool, Dry, Auto, and Fan only.
- **Fan speeds:**
  Low, Medium, High, and Auto.
- **Louver control:**
  Auto and swing.
- **Desired temperature:**
  Range between 17 and 32 °C (63 and 90 °F).
- **Room Thermistor Override:**
  Allows to use air sensor located in the Room Controller instead of the one located into the unit.
- **Diagnostics:**
  Detects the fault of air sensor in the Room Controller.
  "A1" shown on the screen indicates this anomaly.

up
down

"UP" and "DOWN" buttons
Buttons for raising or lowering the temperature or for selecting the "AUTO" or "SWING" louver mode.

MODE   FAN

(MODE)
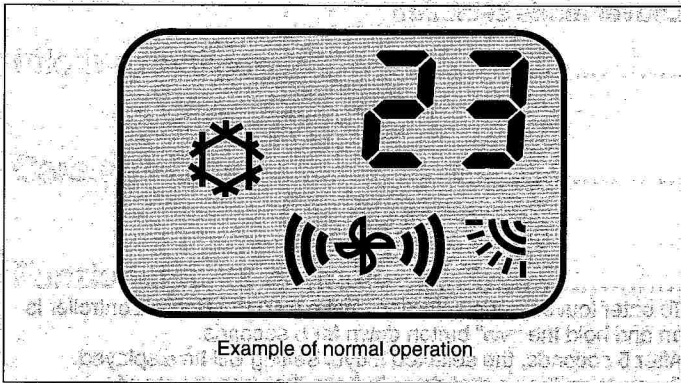Button for operation mode selection.

(FAN)
Button for fan or louvre selection.

A = Display readout
B = Increase temperature / change louvre setting button
C = Decrease temperature / change louvre setting button
D = Fan selection button
E = Mode selection button

Power up

All segments of the LCD should be energized for five seconds. The mode, fan, louver, desired temperature and configuration information should be read from the EEPROM.
If the EEPROM values are not valid, the following should be used as defaults.
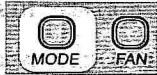
Operating Mode	= AUTO
Fan Speed	= AUTO
Desired Temperature	= 22°C
°F o °C	= C
Louver	= AUTO
Room Thermistor Override	= OFF
Cooling only vs Heat/Cool Remote	= Heat/Cool

Example of normal operation

When switched on the control display appears.

Setting mode operation

"MODE" button

Pressing the "MODE" button will cause the mode to change. The "MODE" button must be released and then pressed again in order to change to the next mode.
The active mode will always be lit in normal operation.
Available modes to select are:

Heat/Cool Remote:

① OFF, ✿ COOL, ◊ DRY, ⊁ FAN ONLY, A AUTO, ☀ HEAT

Cooling Only Remote:

① OFF, ✿ COOL, ◊ DRY and ⊁ FAN ONLY

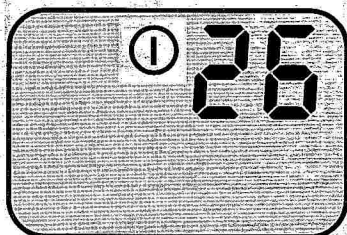When the "MODE" button is not pressed for 15 seconds, the next press will always switch the mode to OFF.

OFF Mode:

ICONS Energized:
• OFF Mode
• Room Temperature if configured for Room Thermistor Override, otherwise nothing
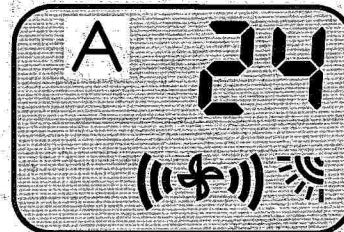
Buttons available:
• "MODE" button

AUTO, HEAT, COOL and DRY Modes:

ICONS Energized:
• Operation Mode ICON.
• Room Temperature if configured for Room Thermistor Override (operated by Room Controller), otherwise user selected temperature with the "SET TEMP" Icon.
• FAN/LOUVER Icon with the user selected Fan and Louver settings.

Buttons available:
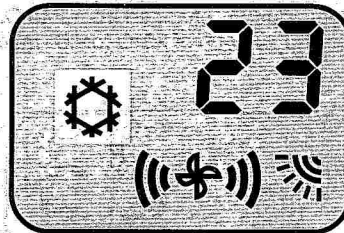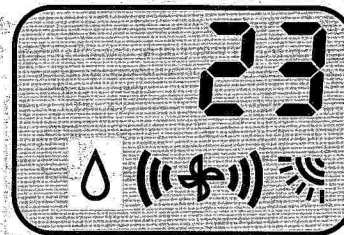• All Buttons are available.

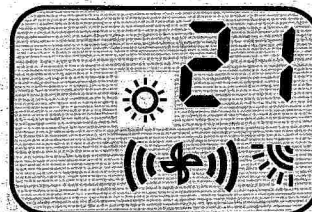A   **AUTO** Automatic operation

NOTE:
The compressor and electric heater must be off for at least 30 Minutes, this time being necessary to pass from Heating to Cooling, or Cooling to Heating.
This will prevent the system from switching between Heating and Cooling continuously.

✿   **COOL** Cooling operation

◊   **DRY** Drying operation.

☀   **HEAT** Heating operation.

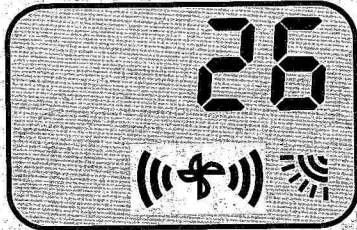# Room Controller
Normal operation

FAN ONLY Mode:
ICONS Energized:
- Room Temperature if configured for Room Thermistor Override (operated by Room Controller), otherwise nothing.
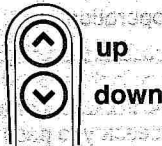- FAN/LOUVER Icon with the user selected Fan and Louver settings.

Buttons available:
- "MODE" and "FAN" buttons are available.

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(((✖))) ☀

✖ **fan only**   Ventilation operation only.

"UP" and "DOWN" button
(Selecting the desired temperature)

⌃ **up**
⌄ **down**

Pressing either the "UP" or "DOWN" buttons will modify the desired temperature.
The maximum desired temperature is 32°C (90°F) and the minimum desired temperature is 17°C (63°F).
Whenever the setpoint is being displayed, the "SET TEMP" icon is illuminated.
Whenever the display mode is changed from F to C, the setpoint is set to the default start-up values of 22°C for "C" mode and 72°F for "F" mode.

❄ **23** *SET TEMP*

(((✖))) ☀

If the air sensor built in the Room Control is enabled, the display will indicate the room temperature after few seconds.

❄ **26**

(((✖))) ☀

"FAN" button
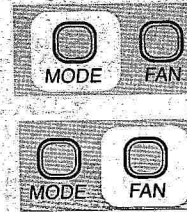### (Adjusting the ventilation speed)

[MODE] [FAN]

Pressing the "FAN" button will cause the fan speed to change.
The "FAN" SPEED button must be pressed and then released to reach the desired speed (Low, Medium, High or Auto).
The icon on the display indicates that change has occurred.

Auto mode setting will be displayed by blinking the fan Medium speed and High speed icons in order (Med then Hi then repeat).

(✖)	Low
((✖))	Medium
(((✖)))	High
:::(✖):::	Automatic

(Fan speed will automatically switch to the value required for optimum comfort).
When this function is activated, the dotted symbols will flash.

Louver mode selection

[MODE] [FAN]

[MODE] [FAN]

To enter louver mode selection, make sure the Room Controller is on and hold the "FAN" button down for 5 seconds.
After 5 seconds, the selected louver setting will be displayed.
By pressing the up and down buttons the user can modify the louver desired configuration.
The two setting will be displayed in the following way:

"S" with Swing Louver Icon - represents Swing Louver.
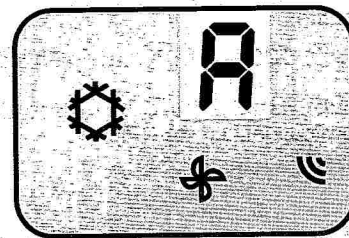**"A" with Auto Louver Icon** - represents Auto Louver.

Press "FAN" button to exit LOUVER Mode Selection.
This mode will exit automatically after 10 seconds if no buttons are pressed.
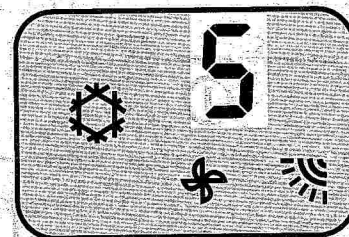The only way to change the operation mode, is to go back to this menu.

NOTE:
- If units are grouped to one Room Controller, all units will end up having the same louver value.
- Louver Mode selection is not available during **OFF** mode.

❄ **A**

✖ ☀

A:AUTO   Automatic louvre positioning to the best position for the selected operating mode.

❄ **S**

✖ ☀

S:SWING   Louvres swing continuously.