

**Sleep/Night Set Back Function.**

Sleep mode is designed to provide a more comfortable environment whilst the occupants of the air-conditioned area are sleeping.

**Sleep mode.**

With the air conditioner operating the following temperature adjustment will automatically occur.

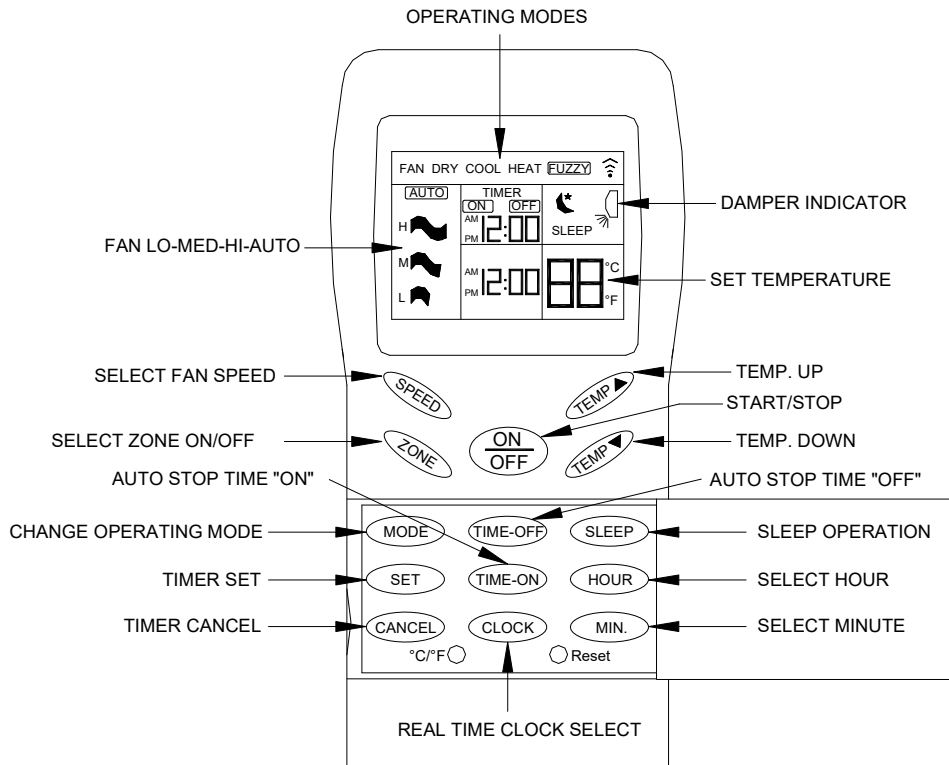
- Sleep button pressed, start sleep timer.
- After 30 min. temp. set point                      Cooling                      Heating  
up 0.5°C                      down 0.5°C.
- After further 30 min. temp. set point            up 0.5°C                      down 0.5°C.
- After further 60 min. temp. set point            up 1.0°C                      down 1.0°C.

Sleep mode will automatically be cancelled after 8 hours. At any time the sleep function can be cancelled by pressing the sleep button or changing the operational mode.

**MODEL LCD-2001**

**AIR CONDITIONER OPERATING INSTRUCTIONS**

**DIAGRAM OF LCD-2001-D**



**LCD-2001-D AIR CONDITIONING CONTROLLER**



**RECEIVER INDICATOR PANEL**

### Initial Start Up.

- 1) When the air conditioner main switch is turned on, the controller in the air conditioner is set in stand-by mode waiting for a signal from the wireless remote control.

For ease of use the IR-2001 remote transmitter control is equipped with the latest illuminated display to allow you to read the control easily even in dark rooms. When any button is pressed the display is illuminated for 4 seconds, if a button is pressed again while the light is on, the illuminated time will be extended.

### 2) IR-2001 LCD Remote Control (Transmitter).

Unpack the IR-2001 LCD wireless transmitter, open the battery housing on the back of the control and fit the batteries supplied. After the batteries are fitted, the time AM 12:00 will be blinking in the centre lower segment of the control display. Open the door on the front of the control below the ON/OFF button and set the control as detailed in the following.

- a) Press the "Hour" button to set the correct AM or PM hour.
- b) Press the "Min" button to set the correct minutes. When the minutes are selected press the "Set" button. The correct time will now be displayed.
- c) The time can be reset at any time by pressing the "Clock" button once and following the instructions in a) & b) above.

### 3) Starting The Air Conditioner.

Press the "On/Off" button once & the following display will be on.

- a) "Fuzzy" operation indicated in top segment (Automatic operation).
- b) "Auto" fan operation indicated in left hand segment with L M H bars blinking.
- c) Set point temperature indicated in lower right hand segment.
- d) Louver icon indicating louver not switched on.

In this mode the control will adjust the indoor fan speed automatically & the room temperature will be set at 22°C (72°F) if cooling is required or 20°C (68°F) if heating is required.

### 4) Manual Control.

To select manual control, open the door on the front of the control and select the required mode by pressing the "Mode" button. The selected mode is indicated in the top display segment.

- a) Press the "Mode" button and Fuzzy will be turned off and Fan only is turned on.
- b) Press the "Mode" button again and "Dry" operation is selected. Dry operation is used to reduce the humidity without cooling the room too much. In this mode the fan operates on low speed and the compressor automatically cycles on and off to maintain comfort conditions.
- c) Press the "Mode" button again and "Cool" operation is selected. The display will be set to 24°C (75°F). To adjust the temperature, press the "Temp▲" or "Temp▼" button.
- d) Press the "Mode" button again and "Heat" operation is selected. The display will be set at 20°C (68°F). To adjust the temperature, press the "Temp▲" or "Temp▼" button.
- e) Pressing the button again returns the control to "fuzzy" operation.

### Fan speed selection.

In any mode the fan speed can be manually selected by pressing the "Speed" button. By repeatedly pressing the speed button the fan can be set at "L" (Low), "M" (Medium), "H" (High) or "Auto" as required.

### 5) Sleep Mode (Night Set Back Function).

Sleep mode is incorporated to provide a more comfortable environment whilst occupants of the air-conditioned room are sleeping. Sleep mode can only be selected when the air conditioner is turned on and is set on "Cool" or "Heat" mode.

With the air conditioner operating, the following temperature adjustment will occur automatically. To cancel sleep function, press the "Sleep" button or change the operating mode.

### 6) Zone Operation.

The zone allows control of a damper motor to direct the air from one area to another. Where an air conditioning system is installed with a day & night zone, when the damper indicator is stationary the air is directed to the day zone. By pressing the zone button the damper indicator will oscillate on the remote control indicating the zone damper has changed over to the night zone.

### 7) Temperature Adjustment.

Press the "Temp σ" (up) & "τ" (down) button to adjust set temperature. The set temperature will be displayed in the lower right segment of the display.

### Auto Start/Stop Timer.

#### a) Timer On Setting.

The "Time-On" setting is only effective when the air conditioner is off or after the "Time-Off" function has stopped the unit. To set the "Time-On" function, press the "Time-On" button, the timer display will flash with the default setting. Use the "Hour" & "Min" buttons to select the required start time. After selecting the start time, press the "Set" button, the Time-On time display will stop flashing but the "On" display will still flash. This means the "Time-On" function has been set.

To cancel "Time-On" function, press the "Time-On" button once, the display will start flashing. Press "Cancel" button once, the timer box will now be blank.

#### b) Timer Off Setting.

The "Time-Off" setting is only effective when the air conditioner is operating or after "Time-On" has been set. To set the "Time-Off" function, press the "Time-Off" button, the "On" display will stop flashing, the "Time-Off" display will now begin to flash with the default setting. Use the "Hour" & "Min" buttons to select required stop time. After selecting the stop time, press the "Set" button, the Time-Off time display will stop flashing but the "Off" display will still flash. This means the "Time-Off" function has been set.

To cancel "Time-Off" function, press "Time-Off" button once, the display will start flashing. Press cancel button once. If you had a time-on value, then the display will show the "Time-On" time. If no time-On time was selected, the timer box will be blank.