



# LENNOX®

## Remote controller MIR-2X



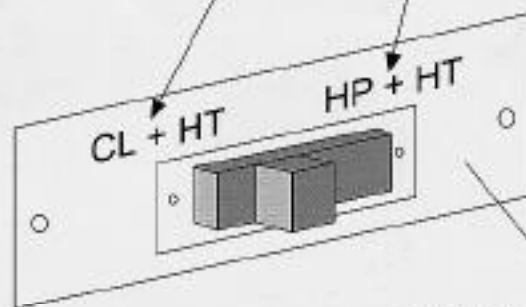
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## SYSTEM CONFIGURATION

SWITCH POSITION FOR COOLING ONLY UNIT

SWITCH POSITION FOR HEAT PUMP UNIT



SWITCH TO SET THE SYSTEM

### IMPORTANT

Prior of making the electrical connections, set the switch for heat pump unit or for cooling only unit.

This control is valid for operating as a cold only or heat pump application. The unit should be configured prior to making the electrical connections, by setting the configuration switch as follows:

Switch in position CL + HT for cooling only application

Switch in position HP + HT for heating pump application

### NOTE

If errors are made during the configuration of the system, switch off the main power supply, set configuration switch in the correct position and then switch the power on.

## OPERATION

### INFRARED REMOTE CONTROL FEATURES

#### INFRARED TRANSMISSION

Input signals to the air conditioner are sent from here. The remote control must be pointed at the receiver on the unit.

#### LCD DISPLAY

It indicates operation modes, fan speed, setting temperatures and time programming..

#### MODE SELECTOR

Press it to select the operating function: COOLING, VENTILATION, DEHUMIDIFICATION, AUTOMATIC and HEAT.

#### FAN SPEED SELECTION

Select between ventilation speeds (automatic, low, medium and high).

#### TEMPERATURE ADJUSTMENT

Used to select the desired temperature.

#### SET CURRENT TIME

Used to set clock.

#### TRANSMIT SIGNAL

Send the selection orders to the unit.

#### AIR SWING BUTTON

Used to set automatically the desired horizontal air flow.

#### TIMER PROGRAMMING

Used to program the switching on-off of the unit at a specified time (1 to 24 hours).

#### ON/OFF BUTTON

Press the button to start the unit, press it again to switch if off.

#### SLEEP MODE

The night operation function will avoid excessive heating or cooling of the room by gradually reducing or increasing the selected temperature to adjust it to the body temperature during the night. It ensures maximum comfort and reduces energy consumption.



## OPERATION



The remote control must be directed toward the unit receiver and enter choice of the desired function, after one second a "beep" will indicate that the signal has been received.

The unit will not respond to the control signal if there is an object between the transmitter and the receiver.

The maximum operation range for the remote control is 7 meters.



Press the ON/OFF button to start/stop the unit.



Press the MODE button to select the operation mode of the unit:

MODE



\* COOL

• DRY

⚙ HEAT

✪ FAN

\* AUTO - When in automatic mode the unit will automatically select between COOLING and HEAT, depending on room temperature and selected temperature.

In mode DRY, the fan speed cannot be changed.

In mode FAN, the fan automatic speed cannot be selected.



FAN

Press FAN button to select between the available speeds (Automatic, Low speed, Medium speed, High speed).

Symbol on display:



SET TEMP

Press ▲ and ▼ simultaneously to change from °C to °F.

The temperature range can be selected between:

18°C and 30°C ( centigrados degrees)

60°F and 86°F (Fahrenheit degrees)

Use the SET TEMP button to adjust the room temperature, it will be displayed.

Press ▲ to increase temperature and ▼ to decrease it.




CLOCK

Press SET TIMER button to set a new time. Press ▲ or ▼ for more than 2.5 seconds to select the current hour and finish the clock setting.




RESEND

Press RESEND button, the symbol  is displayed blinking twice to indicate that the signal is transmitted. This mean that the modification have been taken into account by the unit.



SLEEP


Press SLEEP button, the symbol  is displayed. This function is available in COOLING ONLY and HEAT modes.


On COOLING ONLY mode, after the activation of this function, the selected temperature will increase gradually 2° C in two hours.


On HEAT mode, the temperature decrease as time go, 3° C in 2 hours. This function prevents from overcooling the room (cooling only units), or overheating the room (heat pump units).


## OPERATION




 Press the SWING button to set automatically the desired horizontal air flow, it will be reported on the remote control display.

 **TIMER START (ON TIMER):**  
(When the unit is not operating)  
Press the ON TIMER button to activate the timer start.  
Press it again to increase the timer selection by intervals of 30 minutes.

 **TIMER STOP (OFF TIMER):**  
(When the unit is operating)  
Press the OFF TIMER button to activate the timer stop.  
Press it again to increase the timer selection by intervals of 30 minutes.

 Cancel the TIMER operation. Press the CANCEL button. The ON TIMER and OFF TIMER function will be turn off.

 Low battery indicator. Batteries are too low to ensure proper operation and need to be replaced by 2 new batteries type: "AAA" R-03

Timer is OFF



No symbols displayed on the ON TIMER and OFF TIMER columns.

Press ON TIMER once



Symbol ON TIMER.

Press ON TIMER again



ON TIMER selection increase by intervals of 30 minutes.

Press OFF TIMER once



OFF TIMER symbol is displayed

Press OFF TIMER again

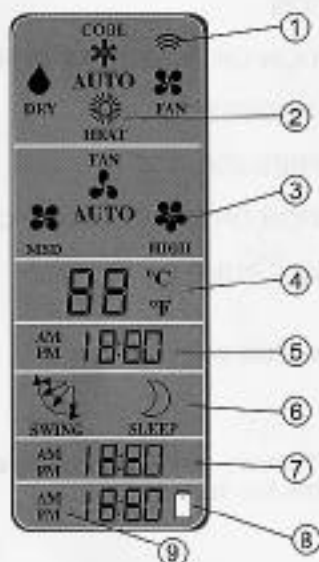


OFF TIMER selection increase by intervals of 30 minutes



Press CANCEL



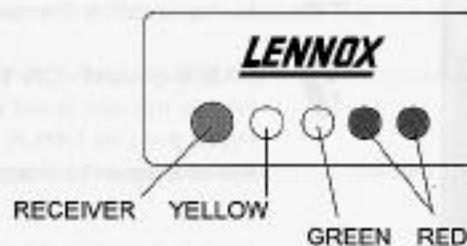
ON TIMER and OFF TIMER selection will go out and turn off.



### DISPLAY OF SELECTED FUNCTIONS

- ① Signal transmission symbol
- ② Operating mode display
- ③ Fan speed selection
- ④ Temperature selected
- ⑤ Current time displayed
- ⑥ SLEEP  and SWING  operation
- ⑦ Programmed time ON TIMER
- ⑧ Low battery indicator
- ⑨ Programmed time OFF TIMER

## RECEIVER INDICATORS



| YELLOW | GREEN | RED | RED |                                          |
|--------|-------|-----|-----|------------------------------------------|
| ○      | ○     | ○   | ○   | OFF                                      |
| ○      | ●     | ○   | ●   | ON - COOLING MODE SELECTED               |
| ●      | ●     | ○   | ●   | ON COOLING MODE SELECTED - COMPRESSOR ON |
| ○      | ○     | ●   | ●   | ON HEAT MODE SELECTED                    |
| ●      | ○     | ●   | ●   | ON HEAT MODE SELECTED - COMPRESSOR ON    |
| ○      | ○     | ○   | ●   | FAN                                      |
| ○      | ○     | ○   | ●   | DRY                                      |
| ●      | ○     | ○   | ●   | DRY COMPRESSOR ON                        |
| ○      | ●     | ☀   | ●   | ON - AUTO COOLING MODE                   |
| ●      | ●     | ☀   | ●   | ON - AUTO COOLING MODE - COMPRESSOR ON   |
| ○      | ☀     | ●   | ●   | ON - AUTO HEAT MODE                      |
| ●      | ☀     | ●   | ●   | ON - AUTO HEAT MODE - COMPRESSOR ON      |
| ○      | ○     | ☀   | ●   | TIMER WAITING FOR DEFROST                |
| ●      | ○     | ☀   | ●   | DEFROST IN PROCESS                       |

## RECEIVER INDICATORS FAULT DIAGNOSTICS

| YELLOW | GREEN | RED | RED        |                                            |
|--------|-------|-----|------------|--------------------------------------------|
| ☀      | ☀     | ☀   | ☀          | SYSTEM MALFUNCTION                         |
| ☀      | ○     | ●   | ●          | IRREGULAR OPERATION OR OVERLOAD IN HEAT    |
| ●      | ☀     | ○   | ●          | SIGNAL OF ICING IN PROCESS                 |
| ○      | ☀     | ○   | ●          | ICE ON COIL - COMPRESSOR OFF               |
| ☀      | ●     | ○   | ●          | IRREGULAR OPERATION OR OVERLOAD IN COOLING |
| ☀      | ☀     | ☀   | ☀ + "BEEP" | FAULT IN CONDENSATE PUMP (*)               |

(\*) In this case, with the 4 indicators blinking, the unit will emit as well an audible alarm.

This unit incorporates automatic re-starting. In case a power supply cut off occurs during unit operation, when power supply is re-established it will start up in the same mode it was before the failure.

### **Standard Guidelines to Lennox Refac equipment**

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These operating instructions contain useful and important information for the smooth operation and maintenance of your equipment.

The instructions also include guidelines on how to avoid accidents and serious damage before commissioning the equipment and during its operation and how to ensure smooth and fault-free operation. Read the operating instructions carefully before starting the equipment, familiarise yourself with the equipment and handling of the installation and carefully follow the instructions. It is very important to be properly trained in handling the equipment. These operating instructions must be kept in a safe place near the equipment.

Like most equipment, the unit requires regular maintenance. This section concerns the maintenance personnel and management.

If you have any queries or would like to receive further information on any aspect relating to your equipment, do not hesitate to contact us.