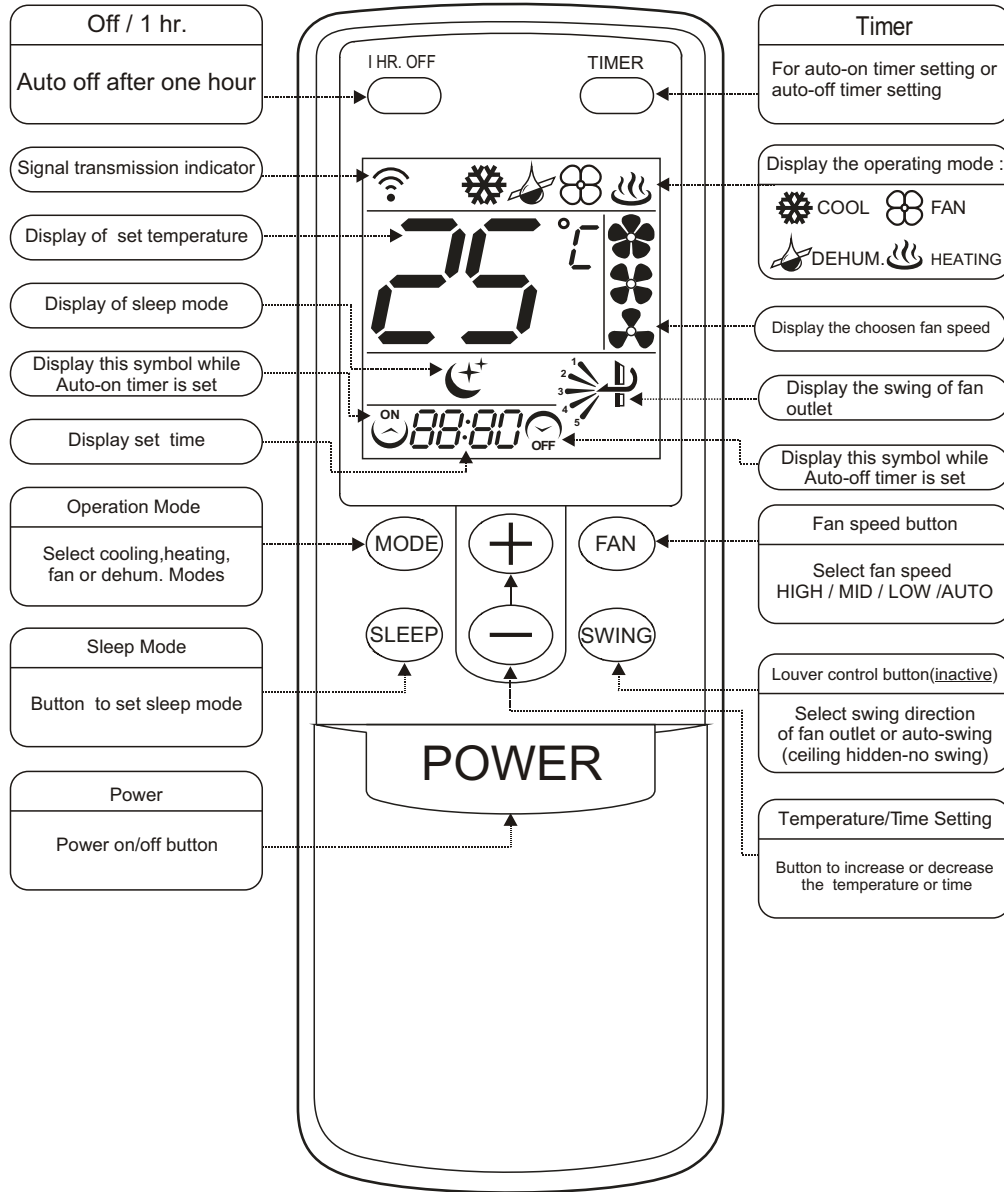


# DESCRIPTION OF CORDLESS REMOTE



# INSTRUCTION

## DEI-737CR

## 1. CAUTIONS

- 2.1 Please make sure the power is switched off before installment to avoid electric shock.
- 2.2 Please check the correct voltage corresponding to the same controller's power switch before power supplying.
- 2.3 The installation of this product should be away from humid place.
- 2.4 The output contact capacity shows on the specification. Do not over load.
- 2.5 Please read the operation manual carefully before installation. If damages are caused by incorrectly wiring, products would not be guaranteed.

## 2. SPECIFICATION

- 2.1 Dimension :  
Receiver :  $\phi 47\text{mm}(\text{diameter}) \pm 1\text{mm}$   
Power box :  $140\text{mm}(\text{L}) \times 78\text{mm}(\text{H}) \times 73\text{mm}(\text{W}) \pm 1\text{mm}$
- 2.2 Operating Environment :  
Operating temp. :  $0^{\circ}\text{C} \sim 50^{\circ}\text{C}$  ; Storage temp. :  $-10^{\circ}\text{C} \sim 65^{\circ}\text{C}$ ,  
RH30% ~ 90% (non-condensing)
- 2.3 Power Supply :  $\text{AC}110\text{V}/220\text{V} \pm 10\%$ , 50/60Hz single phase
- 2.4 Sensor Range :  $5^{\circ}\text{C} \sim 45^{\circ}\text{C}$
- 2.5 Max. Secured Electricity Loading : compressor --- $25(7)\text{A}/250\text{VAC}$   
fan---  $3\text{A}/250\text{VACX}3$ ; 4-way Valve for cooling-heating-- $3\text{A}/250\text{VAC}$

## 3. OPERATING MODES

- 3.1 Operating mode : Cooling/Heating/Fan/Dehumidifying
- 3.2 Setting range :  $16^{\circ}\text{C} \sim 30^{\circ}\text{C}$  (under Cooling) ;  $16^{\circ}\text{C} \sim 32^{\circ}\text{C}$  (under Heating)
- 3.3 Fan control : Auto-fan/High/Mid/Low
- 3.4 Sleep mode : only available under Cooling or Heating.
- 3.5 Auto-on/Auto-off timer : setting range 1~12hours
- 3.6 Backup power button : the backup power button designed on Receiver can turn on and off the controller for emergency in the case of remote control failure.
- 3.7 4-way valve activities : The 4-way valve relay contacts-- except heating contacts stays unactivated, always remain open.

## 4. FUNCTIONS

### 4.1 Descriptions of functions in Modes

#### Cooling Mode :

when Room temp.  $\geq$  Set temp., green LED on and the compressor on. (Green LED flashes while compressor in 3-minutes cushion time operation protection); when Room temp.  $\leq$  Set temp.  $-2^{\circ}\text{C}$ , green LED flashes and the compressor off.

#### Heating Mode :

when Room temp.  $\leq$  Set temp., red LED on and the compressor on. (Red LED flashes while compressor in 3-minutes cushion time operation protection); when Room temp.  $\geq$  Set temp.  $-2^{\circ}\text{C}$ , red LED flashes and the compressor off.

Fan : If selecting continuous fan mode, the green LED flashes.

Dehumidifying : If selecting dehumidifying mode, the compressor works as 10 minutes on and 10 minutes off. In this cycle, the fan speed turns into low speed. If the Room temp. is lower than  $16^{\circ}\text{C}$ , the compressor contact remains off.

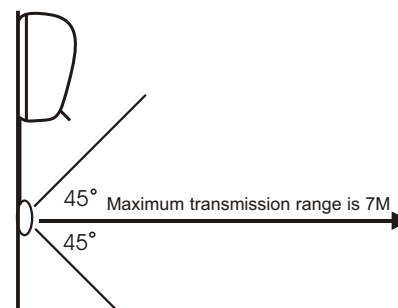
Sleep Mode : In cooling mode, when this function is set, then the temperature will go up  $1^{\circ}\text{C}$  after one hour of setting (in heating mode, it will go down  $1^{\circ}\text{C}$ ); then at the second hour, the temperature will go up another  $1^{\circ}\text{C}$  (in heating mode, it will go down another  $1^{\circ}\text{C}$ ); then this final temperature will be remained.

(The highest limitation of setting temperature is  $30^{\circ}\text{C}$  and the lowest limitation is  $16^{\circ}\text{C}$ )

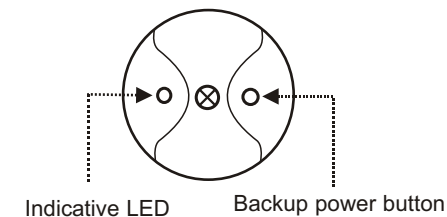
Setting Reservation clock

After pre-setting timer for operation, the controller will be power-on or power-off according to the pre-set time.

The workable distance of the receiver : as below illustration



### Externals of Receiver



### 4.2 Descriptions of DIPSW function :

SW2(only for DEI-737C) :

- ON --- with three minutes cushion operation protection for compressor
- OFF--- without three minutes cushion operation protection for compressor(Default)
- ON --- fan running continuously (Default)
- OFF--- fan running accompany with the on-off of 3-way valve.

## 5. ERROR MESSAGE

If sensor is failed, the red LED on receiver flashes quickly. To solve the problem by checking the connection of sensor or replacing a new sensor. If the orange led flashes quickly, it means the internal circuit is failed. In this case, products should be sent back to the factory for repair.