












## 1. CAUTIONS :

- 1.1 Before wiring, please make sure that power is switched off to prevent from getting electric shock.
- 1.2 The product should be avoided to install at humid environment.
- 1.3 Please install according to the wiring diagram, in order to avoid incorrect wiring.
- 1.4 Before supplying the power, please always check if the wiring and input power is connected correctly.
- 1.5 Please always read this instruction carefully before installation. If the damage is caused of in correctly wiring, the product would not be guaranteed.

## 2. SPECIFICATION :

- 2.1 Appearance :
  - 2.1.1 Front panel size : 93.8 mm ( W ) × 109 mm ( H ) × 15.5 mm ( D ) ± 2 mm.
  - 2.1.2 Power board size : 45.0 mm ( W ) × 66.0 mm ( H ) × 30.0 mm ( D ) ± 2 mm.  
( For DEI-724 series )  
57.2 mm ( W ) × 134.5 mm ( H ) × 48.0 mm ( D ) ± 2 mm.  
( For DEI-734 series )
- 2.2 Operating environment temperature : 0°C ~ 50°C, RH20~85%.
- 2.3 Storage environment temperature : 0°C ~ 50°C, RH20~85%.
- 2.4 Output / Input :
  - 2.4.1 Input power : AC220V ± 5% , 50 / 60 Hz.
  - 2.4.2 Temperature display range : 0°C ~ 50°C.
  - 2.4.3 Timer setting range : 1~24 hrs.
  - 2.4.4 Loading capacity : 3 - way valve contact : 3A / 250VAC.  
Fan output contact : 2A / 250VAC × 3. Heating contact : 2A / 250VAC.  
Chiller contact : 2A / 250VAC ( DEI-734L / LR ).
  - 2.4.5 Fuse capacity : 5A / 250VAC.
  - 2.4.6 Buzzer : Beeps when receiving remote control code or pressing buttons.

## 3. FUNCTION :

- 3.1 Button operation :
  - 3.1.1 "  " : The power control button to turn on / off the system.
  - 3.1.2 " + " : The temperature control button to increase 0.5°C when press it once, maximum is 35°C.
  - 3.1.3 " - " : The temperature control button to decrease 0.5°C when press it once, minimum is 0°C.
  - 3.1.4 "   " : The timer setup button to increase 1 hr by pressing " + " once, or decrease 1 hr by pressing " - ", setting range is from 1 to 24 hrs. Keep holding "   " for 3 seconds to enter sleep mode which operates only under cooling. Sleep mode has been set if "  " shows on LCD, and to cancel it by holding for 3 seconds.
  - 3.1.5 "  " : To select fan speed from automatic, high, medium and low speed. No automatic speed under fan mode.
  - 3.1.6 "  " : To select system operating mode for cooling, fan and heating. Whenever press once, it changes to the next mode. The system would enter lock mode when keeping holding "  " for 3 seconds, and then "  " will appear on LCD. Keep holding "  " again for 3 seconds to unlock the system.

### 3.2 Function instruction :

3.2.1 Air - Conditioning mode : Cooling, Fan and Heating.

3.2.2 Temperature setting : 0°C~35°C with panel, 10°C~35°C with remote controller.

3.2.3 Fan speed : Automatic, high, medium and low.

3.2.4 Sleep mode : Under cooling mode, when this function is set, the temperature will increase 1°C after one hour of setting. At the second hour, the temperature will increase another 1°C and this final temperature will be remained. ( The maximum setting temperature is 35°C )

3.2.5 Memory : The system automatically saves the status before power off or power failure. Once power supplied, the system operates by recalling the saving parameters which saved before power off. (Not include power status, sleep mode and timer).

3.2.6 Lock : To lock Air - Conditioning mode and temperature setting.

3.2.7 External control : When under power off, to short the contact of external control, the controller turns on and operates by saving parameters. When under power on, to open the contact of external control, the controller turns off ( Only for DEI-734LE / 734LER ).


3.2.8 Heating contact : This contact only operates under heating mode and always be off under any other modes. ( 4 - pipes system and electric heater )

3.2.9 Power off under heating mode : Fan stops after operates with low speed for 30 seconds.

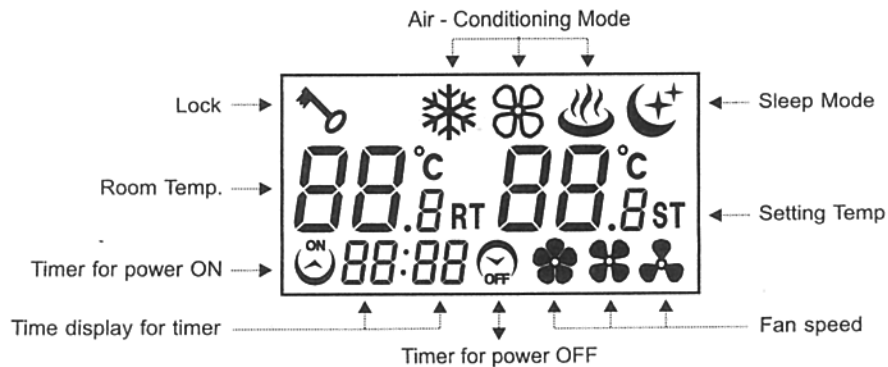
3.2.10 Infrared control : Only functions with DEI-724LER / 734LER, and optionally use RC - L5 remote controller to operate.

### 3.3 DIPSW Function :

3.1.1 DIPSW function description : ( Power MUST off under setting DIPSW function )

<p>Default</p> 	<p>DIPSW1 : ON : 3 minutes delay protection.  DIPSW2 : ON : Reach set temp., fan keeps on.  DIPSW3 : ON : Backlight illuminated constantly.</p>	<p>OFF : No 3 minutes delay protection.  OFF : Reach set temp., fan off.  OFF : Light on when pressing any button and off after 3 minutes.</p>
	<p>DIPSW4 : ON : Electric heater ( 4 - pipes ) heating system.</p>	<p>OFF : Boiler ( 2 - pipes ) heating system.</p>

### 3.4 LCD Display :



### 4. ERROR MESSAGES :

4.1 E1 : Room sensor error.

4.2 FA : Fire alarm. ( Room temp. is over 50°C )

4.3 EC : Communication error.

If above 3 situations occurred, the controller turns off automatically.

4.4 EE : Memory error. ( Not able to turn on the controller and operate )