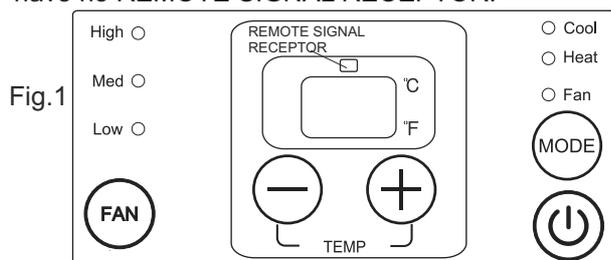


# CONTROL PANEL OPERATION

The control panel keypad will look like the following Fig.1. For some models with REMOTE SIGNAL RECEPTOR, the unit can be controlled by the control panel alone or by the remote. NOTE: Some models have no REMOTE SIGNAL RECEPTOR.



## ● POWER

- Press the POWER button to turn the unit on or off. When the unit is on, the power indicator light will be green. When the unit is off, the light will go out.

## ● MODE

- Push this button to cycle through the modes from COOL-HEAT-FAN-COOL. The indicator light beside the "MODE" option will illuminate, identifying the mode selected.
- COOL: The range of set temperature is 17°C/62°F ~30°C/86°F. Cooling begins automatically when the room temperature is above the set point, and stops when the room temperature is 2°C(4°F) below the set point. But the compressor will run 5 minutes at least in COOL mode before stopping. The fan runs in continuous mode.
- HEAT: The range of set temperature is 17°C/62°F ~29°C/84°F. For heat pump models, the unit can alternate to run between in reverse cycle heat mode and electric heater mode according to the difference between the setting temperature and the room temperature. The fan motor cycles on and off with the compressor and electric heater.

### NOTE:

The reverse cycle and electric heater cannot be run at the same time. In following cases, it is normal that the reverse cycle does not operate.

1. When the outdoor temperature is lower than 4°C/40°F or the room temperature falls to 4.5°C/8°F below the set point temperature.
2. There is a 3-minute minimum compressor run time at any setting to prevent short cycling. The indoor fan motors start before the compressor and stop after the compressor cycles off.
3. Push the "S1" on the DIP SWITCHES to UP (ON) position.
4. When frost builds up to the evaporator coils, the unit will defrost automatically and the compressor will cycle off.

- FAN: Fan operation only without heating and cooling.

Note: If the unit has DIP SWITCHES feature, the temperature range can be set by DIP SWITCHES. See "DIP SWITCHES CONFIGURATIONS" on page 8 for details.

## ● UP/DOWN BUTTONS ( + / - )

- Push the UP (or DOWN) button to increase (or decrease) the set temperature of the unit in cooling or heating mode. The temperature can be set by increments of 1°C (1°F). The setting temperature appears in the display.

NOTE: Press and hold "+" and "-" buttons together for 3 seconds will alternate the temperature display between "°C" & "°F" scale.

## ● FAN (FAN SPEED)

- Every time you push this button, the fan speed cycles through the settings as follows: HIGH-MED-LOW-HIGH.

## ● DISPLAYS:

- Shows the set temperature in °C or °F. While on Fan only mode, it shows the room temperature.

### Control code (on some models):

**LC**-Pads on the control panel is not available. The unit can be set by using wire controller only.

**FC**-Pads on the control panel and wire controller are not available. The unit can be set by using FRONT DESK CONTROL only.

### Error codes:

**AS**-Room temperature sensor error;

**ES**-Evaporator temperature sensor error;

**CS**-Condenser temperature sensor error;

**OS**-Outside temperature sensor error;

**HS**-Exhaust temperature sensor error;

**LE**-Wire controller error;

NOTE: When error occurs, unplug the unit and plug it back in. If error repeats, call for service.

### Other codes:

**LO**-Room temperature is lower than 0°C/32°F;

**HI**-Room temperature is higher than 37°C/99°F;

**FP**-Low temp. Protection.

NOTE: All the illustrations in this manual are for explanation purpose only. Your air conditioner may be slightly different. The actual shape shall prevail.

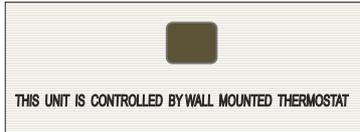
NOTE: This air conditioner is designed to be operated under condition as follows:

Cooling operation	Outdoor temp:	18-43°C/64-109°F (18-52°C/64-125°F for special tropical models)
	Indoor temp:	17-32°C/62-90°F
Heating operation	Outdoor temp:	-5-24°C/23-76°F
	Indoor temp:	0-27°C/32-80°F

Note: Performance may be reduced outside of these operating temperatures.

## CONTROL PANEL OPERATION (CONTINUED)

### ***Accessory***



**NOTE:**When the unit displays **LC** (Pads on the control panel is not available. The unit can be set by using wire controller only.) You can install the Accessory on the control panel.

**NOTE:** For some models, there is corresponding operation happened after 3 seconds when pressing any button.

**NOTE:** When there are wide differences between "USER'S MANUAL" and "Remote controller Illustration" on function description, the description on "USER'S MANUAL" shall prevail.