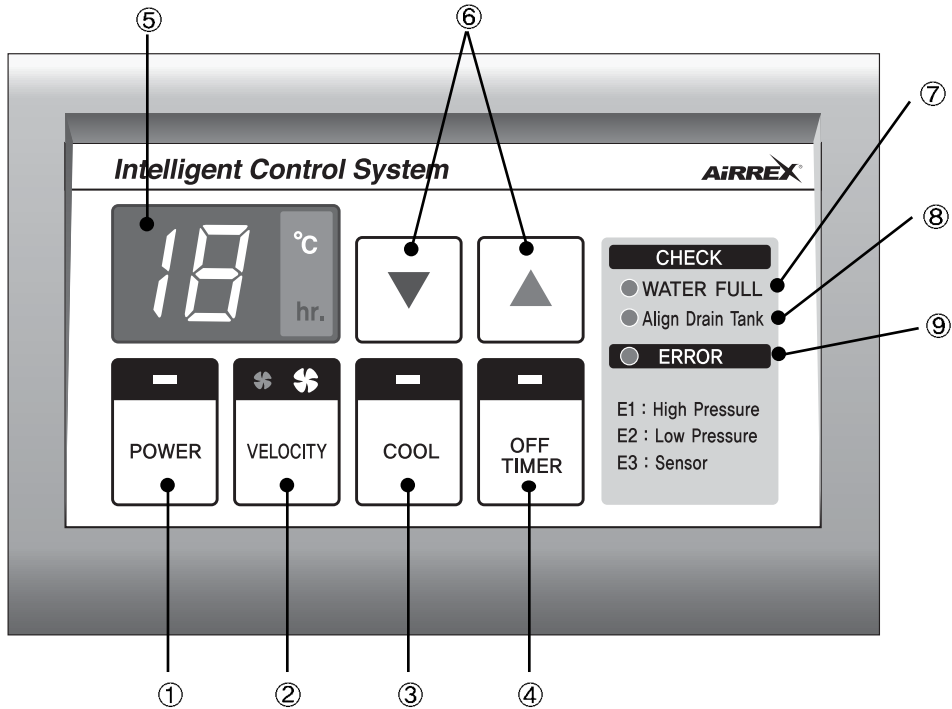


CONTROL PANEL FUNCTIONS

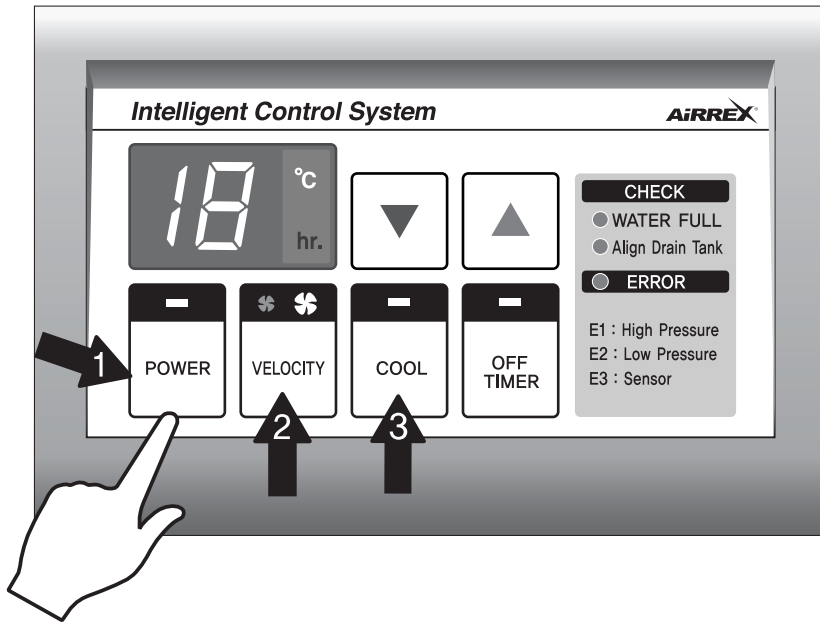


- ① Power : Use to power On / Off.
- ② Velocity : Controls 2 speed fan.
- ③ Cool : Use to select cooling mode.
- ④ Off Time : To set the length of time, once turned on, that you wish the cooler to run for. You can set 0–24 hours. Time intervals are 30mins. up to 10 hours and then 1 hour between 10 and 24 hours.
- ⑤ Display : Shows the current room temperature, the cold outlet temperature you select by ▼▲ , and the sleep (off) time. The display will revert to the current room temperature after setting other functions.
- ⑥ ▼▲ : Raises or lowers temperature and/ or sleep (off) time.
- ⑦ Water Full : Red light indicates 'Tank Full'. The compressor will shut off automatically. Empty tank and replace in position to resume operation.
- ⑧ Align Drain Tank : The red light indicates the water tank is not in the correct position.
- ⑨ ERROR : Error signal (E1 : High Pressure, E2 : Low Pressure, E3 : Sensor)

– Refer to service centre –

OPERATION

RUNNING & STOP



1. START BY PRESSING THE 'POWER' BUTTON.

- Cooler will start up automatically.
- To STOP the unit, press the 'POWER' button once again.

2. To change fan speed, press the 'VELOCITY' button.

3. If you wish to operate on fan only, press the 'COOL' button. To resume cooling, press the 'COOL' button again.

(Note : There is a 3 minute delay when switching functions to protect the compressor)

TEMPERATURE CONTROL OPERATION



1. When power is ON, the current room ambient temperature is displayed.



2. When you first push either ▲ or ▼ button, a default setting of '10°C' will be displayed.



3. Push ▼▲ again to set the cold air temperature required.



4. The display showing the set temperature will blink 3 times.



5. After blinking, the display will revert to the current room ambient temperature.

6. Limits of Ambient and Setting temperatures.

Ambient Room Temp.	Setting range
1°C – 49°C	1°C – 30°C

Cooling operates when
Room ambient temperature is *more than* set temperature.

Cooling stops when
Room ambient temperature is *less than* set temperature.

HOW TO SET THE 'OFF' TIMER.

This function enables you to set the length of time you want the cooler to operate for once it has been switched on.

You can set the time period from 30min. to 24 hours in 30min. and 1 hour increments.



1. Whilst cooler is operating, press the 'Off Timer' button and set the length of time you want by pressing ▲ or ▼.

Each time you press the button you will increase the 'time to off' period by 30mins. up to 10 hours, and 1 hour thereafter up to 24 hours.

The display will show .5 for 30min and 1 for an hour. e.g. One and a half hours will show 1.5.



2. When you have finished setting the time period, the 'Off Timer' lamp will be on which indicates the cooler is in sleep (Off Timer) mode.

OFF TIMER LAMP IS ON



3. If you press the 'Off Timer' button during its operation, the remaining time will be shown.

AFTER 1hr

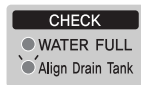


1sec

4. To CANCEL timing, press 'Off Timer' button for ONE second. It will then switch the timer off automatically.

'ERROR' and WARNING INDICATORS

The machine's safety devices will automatically signal any problems via the display window on the control panel. The information below shows how to read these signals.



1. WATER FULL– Display shows “FU”

When the water container is full up, “FU” is displayed and the LED “Water Full” light will be on.

2. ALIGN WATER TANK

If the water tank is not positioned correctly, the LED “Align Drain Tank” light will be on.



3. HIGH PRESSURE

'E1' is displayed and the 'Error' LED will be on when the pressure of the compressor is too high and the high pressure switch is open.



4. LOW PRESSURE

When the temperature of the evaporator is below -10°C , 'E2' is displayed and the 'Error' LED will be on.



5. SENSOR PROBLEM

If the thermistor is short circuited or cut, 'E3' is displayed and the 'Error' LED will be on.

TROUBLE SHOOTING

TROUBLE	CHECK	REMEDY
NOT WORKING	● Power plug correctly connected	● Connect plug correctly
	● POWER button "OFF"	● Press POWER button to "ON"
	● Blown fuse in mains plug	● Replace fuse
	● Fuse (supply) blown	● Exchange fuse in board
	● Breaker on switch board tripped	● Check load capacity and reset
	● Ambient temp. too high (over 45°C)	● Use only below 45°C
POOR COOLING	● Filter blocked with dust	● Clean Filter
	● Dust in heat exchanger	● Clean heat exchanger
	● Obstacle against inlet side	● Remove and allow 50cm. clearance
	● Ambient temp. too high (over 45°C)	● Use only below 45°C

SPECIFICATIONS

		HSC-2500	HSC-3500
Cooling Capacity	BTU/h kW	21,000 (6.15)	25,000 (7.33)
Power Supply		230v. 50Hz. 1Ph.	
Dimensions	mm.	490 X 590 X 1,300	
Weight	Kg.	86	90
Evaporator Air Flow	ft ³ /m (m ³ /m)	459 (11-13)	565 (14-16)
Noise Level (at 1m.)	Db/a	68	69
Power Consumption	Kw.	2.41	2.6
Current Consumption	Amp.	11	13
Refrigerant(R-407C)	grm	890	1,200
Air Filter		Aluminium Mesh Cartridge	
Safety Devices		<ul style="list-style-type: none"> ▶ High Pressure Switch ▶ 3 min. delay timer. ▶ Thermostat and relief valve for compressor ▶ Auto 'Full Tank' shut off. ▶ Fan motor protection ▶ Tank position indicator. 	
Power Cable	Fitment	13 Amp. Fused	
	Length	3 meters	
Operating Range		15°C to 50°C	
High Pressure	kgf/cm ²	26	
Low Pressure	kgf/cm ²	5	
Max. Duct Length (Either hot or cold, not both together in use)	Cold Duct(m)	9	12
	Hot Duct(m)	9	12
Fuse in power box in Machine body		250 V. AC. 5amp.	