



DELTA

**VRF FLOOR STANDING INDOOR UNITS
80SF SERIES**

INSTRUCTION MANUAL



WARNING!


Read and follow all safety precautions in Instruction Manual - improper use can cause serious injury.

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1 Safety Precautions

 WARNING!	<p>This mark indicates procedures which, if improperly performed, might lead to the death or serious injury of the user.</p>
 CAUTION!	<p>This mark indicates procedures which, if improperly performed, might possibly result in personal harm to the user, or damage to property.</p>

 WARNING !	
<p>Installation should be left to the dealer or another professional. Improper installation may cause water leakage, electrical shock, or fire.</p>	
<p>Install the air conditioner according to the instructions given in this manual. Incomplete installation may cause water leakage, electrical shock, or fire.</p>	
<p>Be sure to use the supplied or specified installation parts. Use of other parts may cause the unit to come to lose, water leakage, electrical shock, or fire.</p>	
<p>Install the air conditioner on a solid base that can support the weight of the unit. An inadequate base or incomplete installation may cause injury in the event the unit falls off the base.</p>	
<p>Electrical work should be carried out in accordance with the installation manual and the national electrical wiring rules or code of practice. Insufficient capacity or incomplete electrical work may cause electrical shock or fire.</p>	
<p>Be sure to use a dedicated power circuit. Never use a power supply shared by another appliance.</p>	
<p>For wiring, use a cable length enough to cover the entire distance with no connection. Do not use an extension cord. Do not put other loads on the power supply, use a dedicated power circuit. (Failure to do so may cause abnormal heat, electric shock or fire.)</p>	
<p>Use the specified types of wires for electrical connections between the indoor and outdoor units. Firmly clamp the interconnecting wires so their terminals receive no external stresses. Incomplete connections or clamping may cause terminal overheating or fire.</p>	
<p>After connecting interconnecting and supply wiring be sure to shape the cables so that they do not put undue force on the electrical covers or panels. Install covers over the wires. Incomplete cover installation may cause terminal overheating, electrical shock, or fire.</p>	
<p>If any refrigerant has leaked out during the installation work, ventilate the room. (The refrigerant produces a toxic gas if exposed to flames.)</p>	
<p>After all installation is complete, check to make sure that no refrigerant is leaking out. (The refrigerant produces a toxic gas if exposed to flames.)</p>	

When installing or relocating the system, be sure to keep the refrigerant circuit free from substances other than the specified refrigerant (R410A), such as air. (Any presence of air or other foreign substance in the refrigerant circuit causes an abnormal pressure rise or rupture, resulting in injury.)

During pump-down, stop the compressor before removing the refrigerant piping. If the compressor is still running and the stop valve is open during pump-down, air will be sucked in when the refrigerant piping is removed, causing abnormal pressure in the freezer cycle which will lead to breakage and even injury.

During installation, attach the refrigerant piping securely before running the compressor. If the compressor is not attached and the stop valve is open during pump-down, air will be sucked in when the compressor is run, causing abnormal pressure in the freezer cycle which will lead to breakage and even injury.

Be sure to establish an earth. Do not earth the unit to a utility pipe, arrester, or telephone earth. Incomplete earth may cause electrical shock, or fire. A high surge current from lightning or other sources may cause damage to the air conditioner.

Be sure to install an earth leakage breaker. Failure to install an earth leakage breaker may result in electric shocks, or fire.



Do not install the air conditioner in a place where there is danger of exposure to inflammable gas leakage. If the gas leaks and builds up around the unit, it may catch fire.

Establish drain piping according to the instructions of this manual. Inadequate piping may cause flooding.

Tighten the flare nut according to the specified method such as with a torque wrench. If the flare nut is tightened too hard, the flare nut may crack after a long time and cause refrigerant leakage.

2 Product Introduction

2.1 Outline of the Unit and Main Parts

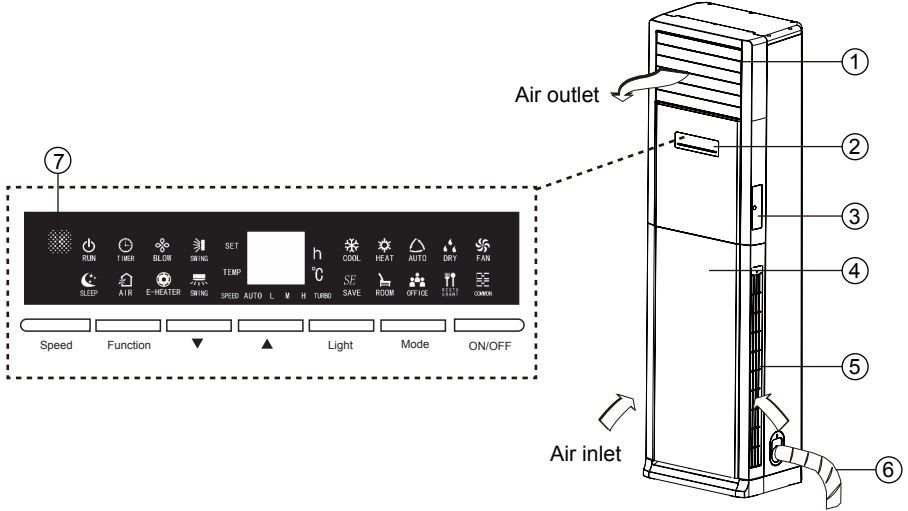


Fig. 1

No.	Part Name	No.	Part Name
①	Air outlet	⑤	Air inlet
②	Control panel	⑥	Drain pipe
③	Wireless controller box	⑦	Signal receiver
④	Panel		

2.2 Nominal Operating Condition

Item	Indoor Condition		Outdoor Condition	
	DBTemperature°C	WBTemperature°C	DBTemperature°C	WBTemperature°C
Rated Cooling	27	19	35	24
Rated Heating	20	15	7	6

2.3 Control Panel

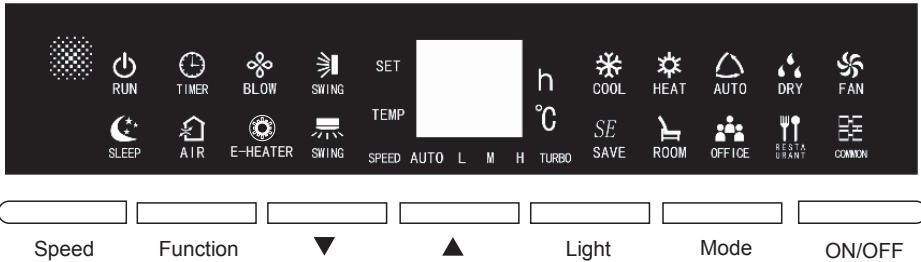


Fig. 2



NOTE!

About the functions of “AUTO”, “AIR”, “ROOM”, “OFFICE”, “RESTAURANT”, and “COMMON”, they are currently unavailable for this unit but reserved.

2.3.1 Buttons on the Control Panel

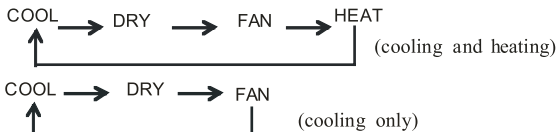
Buttons on the control panel : ON/OFF, Mode, Light, ▲, ▼, Function, Speed

◆ ON/OFF

Press this key to switch on/off the unit. Note: under the blow mode, the unit can be turned on directly by pressing this key.

◆ Mode

The mode will vary circularly as the following order by pressing this key:



COOL: it indicates the cooling status

DRY: it indicates the dehumidifying status and the fan runs at the low speed.

FAN: it indicates the fan status.

HEAT: it indicates the heating status. (Note: it is unavailable for the cooling only unit)

◆ Light



It switches on/off the lights on the control panel (except the running and power indicating lights) and “88”LED.

◆ Function

(1) Under “ON” status, it can switch functions among up/down SWING, left/right SWING, BLOW, E-HEATER, TIMER, AIR, SLEEP, SAVE, SET, and TEMP by pressing this key, and then set the corresponding function by pressing ▲/▼, and then make a confirmation either by pressing “Function” button or with no operation in 5 seconds.

- (2) After some function is selected, if there is no “Turn-off” operation or there is no remote control signal within two minutes, then press this key again to start circular function selection from previous setting function.. Two minutes later or if there is “Turn-off” operation or there is a remote control signal, then press this key again to start circular function selection from the first function..

◆ ▲/▼

- (1) If there is no function setting, every press of ▲/▼ will increase/decrease setting temperature by 1°C.The temperature range is 16~30°C.
- (2) If there is some function setting, every press of ▲/▼ will switch the options of that function. (the circulation by the press on the key ▲ and on the key ▼ is reverse).
- Up/Down SWING : There are two options, Swing On and Swing Off.
 - Left/Right SWING : There are two options, Swing On and Swing Off.
 - BLOW: there are two options, Blow on and Blow off.
 - E-HEATER: There are two options, E-heater On, E-heater Off.
 - TIMER: It is used to set the timer among 0~24h.Within and over 10h, every press of ▲/▼ will increase or decrease timer by 0.5h and 1h respectively.
 - AIR: There are two options, Air On and Air Off (reserved).
 - SLEEP: There are two options, Sleep On and Sleep Off.
 - TURBO: There are two options, Turbo On and Turbo Off.
 - SET: There are two options, Set Temperature On and Set Temperature Off.
 - TEMP: there are two options,TEMP On and TEMP Off.
 - SAVE: It's used to set temperature limit under cooling and heating mode. Quit “SAVE” function by pressing “Function” and “▼” simultaneously.
- (3) All functions will be shielded by pressing both ▲ and ▼ simultaneously for five seconds. After that, “88” LED will display “EE” for five seconds by pressing any other key to tell the user that the keypad has been locked. Another press will undo the shielding function and go to the normal status.

◆ Speed

It is available to select the fan speed among auto, low, middle, high circularly by pressing this key.

2.3.2 Buttons for special functions

- (1) Enquiry of the indoor unit address.

Under the “Off” status of the unit, the “88”LED will display the address number of this indoor unit by pressing the buttons “Speed” and “ON/OFF” simultaneously.

- (2) Enquiry of the unit type

Under the “Off” status of the unit, by pressing the buttons “Mode” and “ON/OFF” simultaneously, for cooling only unit, “COOL” icon will light up on the control panel, while for cooling and heating unit, “HEAT” icon will light up.

(3) Keypad Lock

Under normal "ON" and "OFF" status, press ▲ and ▼ simultaneously for 5 seconds, the keypad will be locked., the keypad will be locked, in which case the press on any other key will get no response. Then, another press on these two buttons will unlock the keypad.

(4) Memory

Under the "Off" status of the unit, it is available to switch the memory mode by pressing "Mode" and "▲" simultaneously.

When "88" LED displays "ON", it indicates the memory function is activated; if "OF" is displayed, it indicates that the memory function is deactivated. When the memory setting page comes out, it can quit five seconds later or by pressing the "ON/OFF" key.

(5) Setting of the wired controller

The unit defaults to be controlled by control panel instead of wired controller.

Under the "Off" status of the unit, by pressing the buttons "Mode" and "Speed" simultaneously, it is available to set if the unit can be controlled with or without wired controller..

When "88" LED displays "E6" and the wired control is in normal status, it indicates the unit is the control of the wired controller rather than the buttons on the control panel and the remote controller.

When "88" LED is in the normal status and the wired controller displays "E6", it indicates the unit is controlled by control panel and the remote controller rather than wired controller.

(6) Setting of the host/slave indoor unit

Under the "Off" status of the unit, it is available to switch the master and slave status of the unit by pressing the key "Mode" for five seconds.

When "88" LED displays "HO", it indicates this indoor unit is set to be master unit.

When "88" LED displays "CH", it is regarded as the slave unit as it is an invalid host unit.

When "88" LED displays "SL", it indicates this indoor unit is set to be slave unit.




(7) Enquiry of the unit status, host or slave

Under the "Off" status of the unit, it is available to equity the unit status, host or slave, by pressing the key 'Speed'. "HO" indicates it is the host unit, while "CH" or "SL" indicate it is the slave unit.


3 Preparative for Installation

3.1 Standard Accessory Parts

The standard accessory parts listed below are furnished and should be used as required.

No.	Name	Appearance	Q'ty	Usage
1	Special Nut		1	To be used for connecting the refrigerant pipe
2	Wireless Controller		1	To control the indoor unit
3	Wired Controller		1	To control the indoor unit

3.2 Selection of the Installation Location

 NOTE !
The unit installation work must be done by qualified personnel according to the local rules and this manual.
When removing the unit to the other place, please firstly contact with the local maintenance center.

3.2.1 Basic Requirements for Installation Location

Installation at the following places may cause failure of the air conditioner. If inevitable, please contact installation and service agent.

- (1) A place with heat source, steam and inflammable gas.
- (2) A place with high frequency facility, such as radio equipment, electric welder, or medical equipments.
- (3) A seaside saline-alkali place.
- (4) A place full of machine oil.
- (5) A place with sulphide gas (such as sulphur spring) .
- (6) An environment with special conditions.

3.2.2 Installation Location of Indoor Unit

- (1) Select a place avoid the inflammable gas produce or leakage.
- (2) Select a place avoid the water vapor or oil spayed on the unit.
- (3) Ensure that airflow can reach every corner of the room.
- (4) Choose a place so that the connection pipe could be easily pulled out.
- (5) Select the place where the airflow f the unit can not be blocked.
- (6) Select the position where the few outer air influenced.
- (7) Select the firm and flat ground.
- (8) Ensure sufficient clearance and space for service and maintenance.
- (9) Ensure the installation of indoor unit is in conformity with the requirements of installation dimension drawing.

(10) Do not use the unit in the immediate surroundings of a laundry a bath a shower or a swimming pool.

(11) A location from which the condensation water can be drained out conveniently.

3.2.3 Dimensions Data and Installation Space Requirements

◆ Dimensions Data

80SF040J24,80SF060J24

Unit:mm

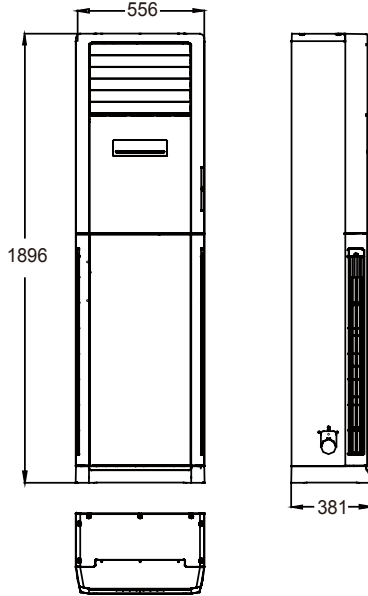


Fig.3

◆ Installation Space Requirements

unit:mm

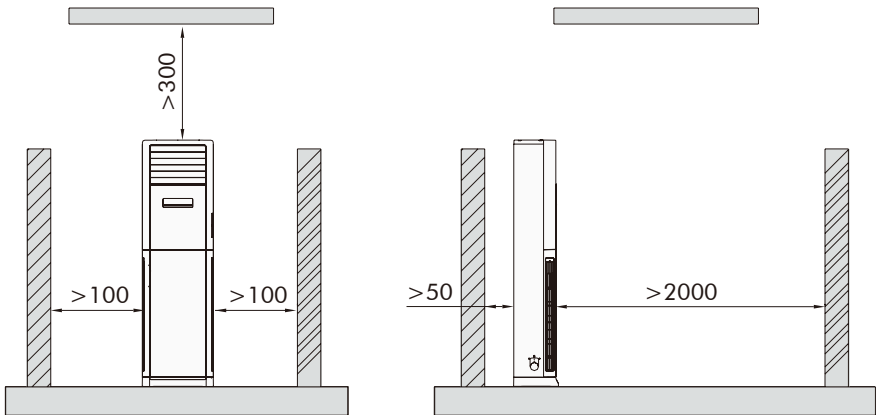


Fig.4

**NOTE !**

The unit must be installed by the professional personnel according to this install instruction to ensure the well use.

Please contact the local DELTA□□ special nominated repair department before installation. Any malfunction caused by the unit that is installed by the department that is not special nominated by DELTA□□ would not deal with on time by the inconvenience of the business contact.

It should be guide under the professional personnel when the air conditioner unit is moved to other place.

3.3 Electrical Requirement

(1) Electric wire size and fuse capacity:

Model	Power Supply	Fan Motor FLA	Fuse/Breaker Capacity	Min. Power Supply Cord
	V/Ph/Hz	A	A	mm ²
80SF040J24	208-230/1/60	1.2	6	1
80SF060J24		1.4	6	1

FLA: Full Load Amps

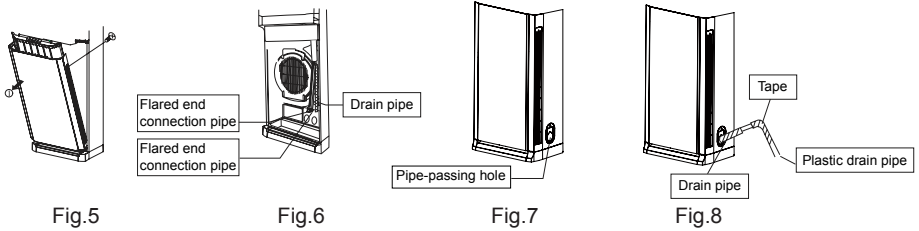
(2) Install the disconnect device with a contact gap of at least 3 mm in all poles nearby the units. (Both indoor unit and outdoor unit)

4 Installation Instruction

4.1 Installation of the Connection Pipe

It's required to disassemble the air intake panel before conducting piping and wiring work.

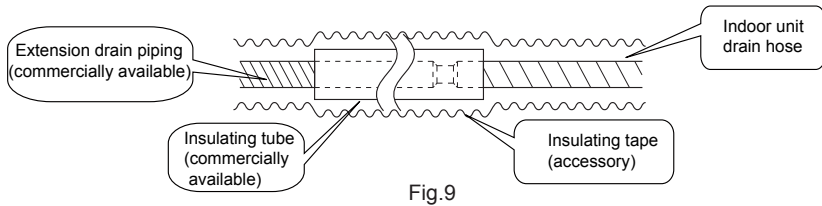
- (1) Dismantle the screw-shielding cover from both sides of the panel.
- (2) Remove the screws distributed on the panel by a screwdriver. (See Fig.5)
- (3) Pull out the panel as per the arrowed direction. (See Fig.5) The internal parts of the unit are shown in Fig.6.
- (4) When performing piping and wiring work on the left, right and rear side, please adopt the attached accessories. (See Fig. 7 and Fig.8)



4.2 Installation and Test of Drain Pipe

4.2.1 Precautions When Doing the Piping Work

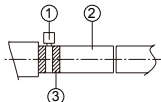
- (1) Keep piping as short as possible and slope it downwards at a gradient of at least 1/100 so that air may not remain trapped inside the pipe.
- (2) Keep pipe size equal to or greater than that of the connecting pipe.
- (3) Install the drain piping as shown and take measures against condensation. Improperly rigged piping could lead to leaks and eventually wet furniture and belongings.



4.2.2 Installing the Drain Pipes

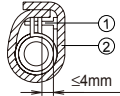
- (1) Insert the drain hose into the drain socket up to the base, and tighten the clamp securely with the tape.
- (2) Insert the drain hose into the drain outlet, and tighten the clamp securely with tape.
 - ◆ Tighten the clamp until the screw head is less than 4 mm from the hose.

- ① - Metal clamp (accessory)
- ② - Drain hose (accessory)
- ③ - Grey tape (accessory)



◆ Insulate the pipe clamp and the drain hose using heat insulation sponge.

- ① - Metal clamp (accessory)
- ② - Insulation sponge (accessory)



- (3) When drain hose requires extension, obtain an extension hose commercially available.
- (4) After connecting the local drain hose, tape the slits of the heat insulation tube.
- (5) Connect the drain hose to the local drain pipe. Position the inter connecting wire in the same direction as the piping.
- (6) Install the Baffle after installation of connection pipe and drainage pipe according to Fig.4

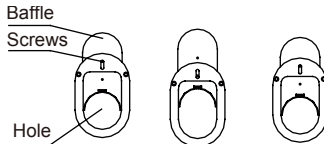


Fig.10

- 1) Loosen the screws and adjust the baffle position up and down to clamp connection pipe/ drainage pipe as much as possible.
- 2) Tighten the screws.

4.2.3 Testing of Drain Piping

- (1) After piping work is finished, check if drainage flows smoothly.
- (2) Shown in the figure, Pout water into the drain pan from the right side to check that water flows smoothly from the drain hose.

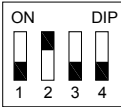
5 Introduction of DIP Switch



NOTE!

The DIP switch should be set correctly and properly. It's not allowed to set the toggle in the middle. (Note: Black part means toggles of DIP switch.)

In the figure, number "4, 3, 2, 1" respectively represents "OFF, OFF, ON, OFF".



5.1 Address Code

The address DIP switch must be set properly for the multi VRF indoor units, otherwise it would lead to communication trouble. The address code consists of 4 binary bits and is related to the address ranging from 1-16.



NOTE!

To use multiple indoor units in parallel, make sure to change the setting of address code before installation and guarantee that the address code of each indoor unit must be different (The address code is located on the mainboard of indoor unit). If wired controller is used, make sure to set the address of wired controller to the position same as the address code on corresponding indoor unit. (The address of wired controller is located on the back of wired controller)

◆ Below is factory default setting:



The default address code is 0000, that is, the address is 1, shown as the figure above.

◆ Address Code

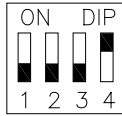
The address code of the address DIP switch is in binary format. When the switch is set to "ON", it indicates "1" of the binary system, and "0" when set to the opposite side.

Address	1				2				3				4				5				6				7				8											
Address Code	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
Code Value	0	0	0	0	1	0	0	0	0	1	0	0	1	1	0	0	0	0	1	0	1	0	1	0	0	1	1	0	0	1	1	0	1	1	1	0				
Address	9				10				11				12				13				14				15				16											
Address Code	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Code Value	0	0	0	1	1	0	0	1	0	1	0	1	1	1	0	1	0	0	1	1	1	0	1	1	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1

Example 1: If the address code is “1110”, that is, switch 4 is set to “ON”, and switch 3,2 and 1 are all set to the opposite side, in this case, the address is “8”.

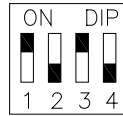
Example: If the address code is “0101”, that is, the switch 3 and 1 are set to “ON” while switch 4 and 2 are set to the opposite side, in this case, the address is “11”.

Refer to the following figure.



Address

Address 8, Address Code 0111



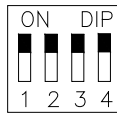
Address

Address 11, Address Code 1010

5.2 Capacity Code

On the main board of the indoor unit, two 4-position switches are used to set the address and capacity of the indoor unit. The one (marked with “Capacity” below) is factory set and sealed so that it is not allowed to be modified by the user.

◆ Below is factory default setting:



Capacity

The default setting of the capacity DIP switch, as shown above, is related to the maximum capacity of the indoor unit.

◆ Capacity Code

The capacity code of the capacity DIP switch is in binary format. When the switch is set to “ON”, it indicates “1” of the binary system, and “0” when set to the opposite side.

Capacity	20				25				30				35				40				45				50				60											
Capacity Code	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
Code Value	0	0	0	0	1	0	0	0	0	1	0	0	1	1	0	0	0	0	1	0	1	0	1	0	0	0	1	0	0	1	1	0	1	1	1	0				
Capacity	224				70				80				90				100				112				140				280											
Capacity Code	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Code Value	0	0	0	1	1	0	0	1	0	1	0	1	1	1	0	1	0	0	1	1	1	0	1	1	0	1	1	0	1	1	1	0	1	1	1	1				

6 Wiring of Power Cord

6.1 Wiring Precautions

 **WARNING !**

Before turning on, verify that the voltage is within 188~253V range(for “-D”).

Always use a special branch circuit and install a special receptacle to supply power to the air conditioner.

Use a special branch circuit breaker and receptacle matched to the capacity of the air conditioner.
(Fuse/Breaker capacity : 6A)

The special branch circuit breaker is installed in the permanent wiring. Always use a circuit that can trip all the poles of the wiring and has an isolation distance of at least 3 mm between the contacts of each pole.

Perform wiring work in accordance with standards so that the air conditioner can be operated safely and positively.

Install a leakage special branch circuit breaker in accordance with the related laws and regulations and electric company standards.

 **CAUTION !**

The power source capacity must be the sum of the air conditioner current and the current of other electrical appliances. When the current contracted capacity is insufficient, change the contracted capacity.

When the voltage is low and the air conditioner is difficult to start, contact the power company to raise the voltage.

6.2 Electrical Wiring

- ◆ With a Multi indoor unit, install as described in the installation manual supplied with the outdoor unit.
 - ◆ Live the sensor securing plate, remove the front metal plate cover, and connect the wire to the PCB.
- (1) The shield twisted-pair in the 3 PIN neilsbed is the communication cord to another indoor unit or to outdoor unit. Please connect one port in the CN17 or CN18, the another port to another indoor unit or to outdoor unit (please according to the cicuit diagram which is plastered on the control box.)

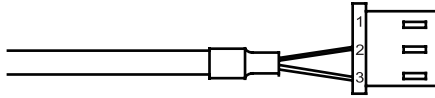


Fig.11

- (2) The twisted-pair in the 4 PIN neilsbed is the communication cord to the manual panel. Please connect one port in the CN15, the another port to the manual panel.

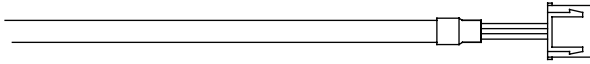


Fig.12

- (3) Pull wires to make sure that they are securely latches up, then retain wires with wire retainer.

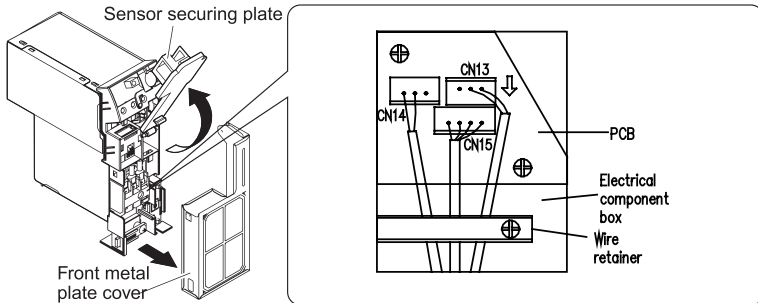


Fig.13

⚠ Note: The power of every indoor unit should be unity power supply.

- (4) The power connection cord have been inserted on the mainboard through the piping hole of the chassis.Please connect the power connection cord with the breaker. If the power cord is not long enough,please prolong it with terminal block.

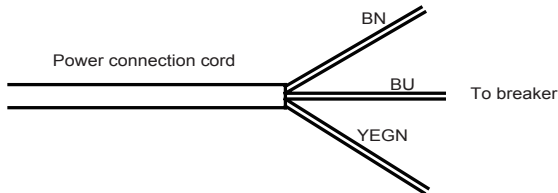


Fig.14

- (5) Reinstall the wiring cover on the original place and tighten the bolt;
 (6) Recover the surface panel.

⚠ CAUTION !

Do not use tapped wires, stranded wires, extensioncords, or starburst connections, as they may cause overheating,electrical shock, or fire.

Do not use locally purchased electrical parts inside the product. (Do not branch the power for the drain pump, etc, from the terminal block.) Doing so may cause electric shock or fire.)

7 Test Running

- (1) Measure the supply voltage and make sure that it falls in the specified range.
- (2) Trial operation should be carried out in either cooling or heating mode.

- ◆ For Heat pump

In cooling mode, select the lowest programmable temperature; in heating mode, select the highest programmable temperature.

- 1) Trial operation may be disabled in either mode depending on the room temperature. Use the remote controller for trial operation as described below.
- 2) After trial operation is complete, set the temperature to a normal level (26°C to 28°C in cooling mode, 20°C to 24°C in heating mode).
- 3) For protection, the system disables restart operation for 3 minutes after it is turned off.

- ◆ For Cooling only

Select the lowest programmable temperature.

- 1) Trial operation in cooling mode may be disabled depending on the room temperature. Use the remote controller for trial operation as described below.
 - 2) After trial operation is complete, set the temperature to a normal level (26°C to 28°C).
 - 3) For protection, the unit disables restart operation for 3 minutes after it is turned off.
- (3) Carry out the test operation in accordance with the Operation Manual to ensure that all functions and parts, such as louver movement, are working properly.

The air conditioner requires a small amount of power in its standby mode. If the system is not to be used for some time after installation, shut off the circuit breaker to eliminate unnecessary power consumption.

If the circuit breaker trips to shut off the power to the air conditioner, the system will restore the original operation mode when the circuit breaker is opened again.

8 Routine Maintenance



WARNING !

Do not turn off the unit and cut off the main power supply when cleaning the air conditioner, otherwise electric shock may happen.

Do not make the air conditioner wet or electric shock may be lead; Ensure that the air conditioner will not be cleaned by water rinsing under any circumstance.

Volatility liquid like thinner or gasoline would damage the appearance of air conditioner. (So, only soft dry cloth and wet cloth moistened by neutral cleaning fluid could be used to clean the surface panel of air conditioner.)

8.1 Cleaning the Unit

- (1) Cut power off before cleaning and turn off the air switch after unit stops running.
- (2) Use soft cloth when cleaning cabinet. If the unit is very dirty, dip cloth into warm water below 40°C and dry the cloth before cleaning it.
- (3) Don't spray water on indoor unit, as spraying water will damage microcomputer and circuit board in the unit.



Fig.15

8.2 Cleaning the Air Filter

- (1) Disassembling the air filter

As shown in the figure below, take out the decorative strip at position ①, and unscrew the screw. After opening the glass panel and unscrew the screws fixing the air filter. At last pull out the air filter along the arrow direction.

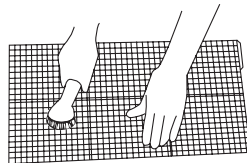
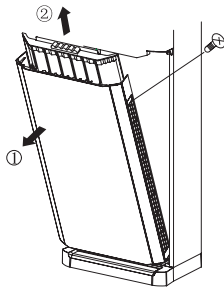


Fig.16

- (2) Cleaning the filter

Slightly flat the filter or clean the filter with electric cleaner. If there is too much dust on the filter, clean it with a little neutral detergent or warm water. After that, dry the filter and reinstall it.(Fig.16)

9 Troubleshooting

If your conditioning unit runs abnormally, please check the following items before contact the maintenance serviceman.

Error	Possible Causes
The unit could not be started.	<ul style="list-style-type: none"> ① The unit is energized. ② The circuit breaker trips due to the electric leakage. ③ The circuit voltage is too low.
The unit could run but would stop before long.	The air inlet/outlet of the indoor/outdoor unit is blocked.
The cooling effect is good.	<ul style="list-style-type: none"> ① The air filter screen is dirty or is clogged. ② There are too many heat sources or people in the room ③ The door or window is open ④ There is an obstacle at the air inlet/outlet. ⑤ The set temperature is too high.
The heating effect is not good.	<ul style="list-style-type: none"> ① The air filter screen is dirty or is clogged. ② The door or window is not closed fully. ③ The set temperature is too low.
The remote controller is useless.	<ul style="list-style-type: none"> ① If the remote controller crashes even if the batteries have been replaced, please open the back cover of it and press the button "ACL" to let it back to the normal condition. ② Is the remoter controller in the signal receiving range? Or is it blocked by obstacles? ③ For the duct type unit, operate the remote controller pointing at the wired controller. ④ Check if the voltage of the batteries of the wired controller is enough; or change them.



NOTE !

If the air conditioner still runs abnormally after the above check and handling, please contact the maintenance serviceman at the local appointed service center.

Model and Technical Specifications

Model	80SF040J24	80SF060J24
Function	Cooling and Heating	Cooling and Heating
Cooling Capacity(kw/Btuh)	10 .0/ 34 ,100	14.0 / 47,800
Heating Capacity(kw/Btuh)	11.0 / 37,500	15 / 51,100
Air Flow Rate (m ³ /h/CFM)	1600/942	1700/1000
Sound Level (dB (A))	45	48
Input of Motor (kW)	0.27	0.31
Power Supply	208-230V / 1 phase / 60Hz	
Anti-electric Shock Protect	IP20	
Unit Dimensions (W×D×H)	566x381x1895 mm, 22-1/5”×15”×74-1/4”	
Package Dimensions (W×D×H)	738x545x2083mm ,28-7/8”×21-2/5”X82”	

Thank you for Choosing



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