Ceiling Type INSTALLATION INSTRUCTION SHEET

(PART NO. 9378042018)

For authorized service personnel only

⚠ CAUTION REFRIGERANT THIS PRODUCT MUST ONLY BE INSTALLED OR SERVICED BY QUALIFIED PERSONNEL. Refer to Commonwealth, State, Territory and local legislation regulations, codes, installation & operation manuals, before

⚠ DANGER	This mark indicates procedures which, if improperly performed, are most likely to result in the death of serious injury to the user or service personnel.
⚠ WARNING	This mark indicates procedures which, if improperly performed, might lead to the death or serious injury the user.
⚠ CAUTION	This mark indicates procedures which, if improperly performed, might possibly result in personal harm the user, or damage to property.

Never touch electrical components immediately after the power supply has been turned off. Electrical shock may occur. Aft
turning off the power, always wait 5 minutes or more before touching electrical components.

♠ DANGER

This air conditioner uses new refrigerant HFC (R410A).

The basic installation work procedures are the same as conventional refrigerant models.

However, pay careful attention to the following points:

-) Since the working pressure is 1.6 times higher than that of conventional refrigerant models, some of the piping and installation and service tools are special. (See the table below.) Especially, when replacing a conventional refrigerant model with a new refrigerant R410A model, always replace the conventional piping and flare nuts with the R410A piping and flare nuts.
- Models that use refrigerant R410A have a different charging port thread diameter to prevent erroneous charging with conventional refrigerant and for safety. Therefore, check beforehand. [The charging port thread diameter for R410A is 1/2 UNF 20 threads per inch.]
- Be more careful that foreign matter (oil, water, etc.) does not enter the piping than with refrigerant models. Also, when storing the piping, securely seal the openings by pinching, taping, etc.
-) When charging the refrigerant, take into account the slight change in the composition of the gas and liquid phases, and always charge from the liquid phase side whose composition is stable.

Special tools for R410A

Tool name	Contents of change		
Gauge manifold	Pressure is high and cannot be measured with a conventional gauge. To prevent erroneous mixing of other refrigerants, the diameter of each port has been changed. It is recommended the gauge with seals –0.1 to 5.3 MPa (–76 cmHg to 53 kgf/cm²) for high pressure. –0.1 to 3.8 MPa (–76 cmHg to 38 kgf/cm²) for low pressure.		
Charge hose	To increase pressure resistance, the hose material and base size were changed.		
Vacuum pump	A conventional vacuum pump can be used by installing a vacuum pump adapter.		
Gas leakage detector	Special gas leakage detector for HFC refrigerant R410A.		

available on the market.

It is necessary to use seamless copper pipes and it is desirable that the amount of residual oil is less than 40 mg/10 m. Do not use copper pipes having a collapsed, deformed or discolored portion (especially on the interior surface). Otherwise, the expansion valve or capillary tube may become

blocked with contaminants As an air conditioner using R410A incurs pressure higher than when using conventional refrigerant, it is necessary to choose adequate materials. Thicknesses of copper pipes used with R410A are as shown in the table. Never use copper pipes thinner than that in the table even when it is

Thicknesses of Annealed Copper Pipes (R410A)		
Pipe outside diameter	Thickness	
6.35 mm (1/4 in.)	0.80 mm	
9.52 mm (3/8 in.)	0.80 mm	
12.70 mm (1/2 in.)	0.80 mm	
15.88 mm (5/8 in.)	1.00 mm	
19.05 mm (3/4 in.)	1.20 mm	

Pipe outside diameter	Thickness
6.35 mm (1/4 in.)	0.80 mm
9.52 mm (3/8 in.)	0.80 mm
12.70 mm (1/2 in.)	0.80 mm
15.88 mm (5/8 in.)	1.00 mm
19.05 mm (3/4 in.)	1.20 mm

CONNECTION PIPE REQUIREMENT 2. BENDING PIPES

↑ CAUTION

The maximum/minimum lengths of this product, refer to the installation instruction sheet supplied with the outdoor unit. If the units are further apart than this, correct operation can not be guaranteed.

Diameter			
Liquid	Gas		
9.52 mm (3/8 in.) 15.88 mm (5/8 in.)			
Use pipe with water-resistant heat insulation.			

↑ CAUTION

Install heat insulation around both the gas and liquid pipes. Failure to do so may cause water leaks.

Use heat insulation with heat resistance above 120 °C. (Reverse cycle model only)

n addition, if the numidity level at the installation location of the refrigerant piping is expected to exceed 70%, install hea insulation around the refrigerant piping. If the expected humidity level is 70-80%, use heat insulation that is 15 mm or thicker

and if the expected humidity exceeds 80%, use heat insulation that is 20 mm or thicker. If heat insulation is used that is not as thick as specified, condensation may form on the surface of the insulation.

In addition, use heat insulation with heat conductivity of 0.045 W/(m·K) or less (at 20 °C).

ELECTRICAL REQUIREMENT

Electric wire size:

Connection cord (mm²)		
MAX.	MIN.	
0.5	4.5	

Use conformed cord with Type 245 IEC57.

Install all electrical works in accordance to the standard.

• 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)

SELECTING THE MOUNTING POSITION

Decide the mounting position with the customer as follows

Select installation locations that can properly support the weight of the indoor and outdoor units. Install the units securely so that they do not topple or fall.

Do not install where there is the danger of combustible gas leakage.

Do not install the unit near heat source of heat, steam, or flammable gas.

③ If children under 10 years old may approach the unit, take preventive measures so that they cannot reach the unit.

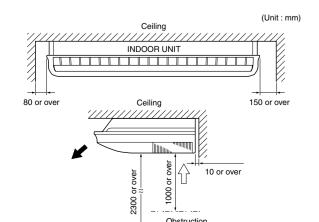
INDOOR UNIT

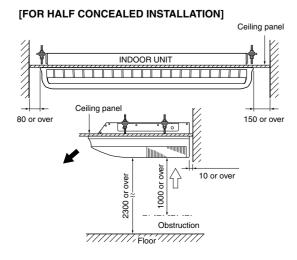
(1) Install the indoor unit level on a strong wall which is not subject to vibration.

(2) The inlet and outlet ports should not be obstructed: the air should be able to blow all over the room. (3) Do not install the unit where it will be exposed to direct sunlight.

(4) Install the unit where connection to the outdoor unit is easy. (5) Install the unit where the drain pipe can be easily installed.

(6) Take servicing, etc., into consideration and leave the spaces shown in the figure. Also install the unit where the filter can be removed.





STANDARD PARTS

The following installation parts are furnished.

INDOOR UNIT ACCESSORIES

Name and Shape Application Adhesive type 70×230 For fixing the drain hose VT wire Coupler heat insulator (large) (Gas pipe) oupler heat insulator (small) For indoor side pipe joint Nylon fastener For fixing the coupler heat For installing indoor unit Special nut A (large flange) Special nut B For installing indoor unit (small flange) nstallation For positioning the indoor template Auxiliary pipe assembly For connecting the piping

OPTIONAL PARTS

The following options are available DRAIN PUMP UNIT: UTR-DPB241 (P/N 9034087001) • ROUND DUCT: UTD-RF204 (P/N 9093160004)

The pipes are shaped by your hands. Be careful not to collapse them.

When pipes are repeatedly bend or stretched, the material will harden.

making it difficult to bend or stretch them any more. Do not bend or

↑ CAUTION

To prevent breaking of the pipe, avoid sharp bends.

Bend the pipe with a radius of curvature of 150 mm or

If the pipe is bent repeatedly at the same place, it will

↑ CAUTION

Be sure to apply the pipe against the port on the in-

Do not remove the flare nut from the indoor unit pipe until immediately before connecting the connection

(2) Centering the pipe against port on the indoor unit, turn the flare nut

Do not use mineral oil.

o prevent gas leakage, coat the flare

Connection pipe (Gas)

Connection pipe (Liquid)

surface with alkylbenzene oil (HAB)

forced to turn, the threads will be damaged.

door unit correctly. If the centering is improper, the flare nut cannot be tightened smoothly. If the flare nut is

Do not bend the pipes in an angle more than 90°.

stretch the pipes more than three times.

3. CONNECTION PIPES

(3) Remove the filter guide.

(4) Attach the connection pipe.

(1) Detach the caps and plugs from the pipes.

Indoor unit

INSTALLATION PROCEDURE

PREPARING INDOOR UNIT

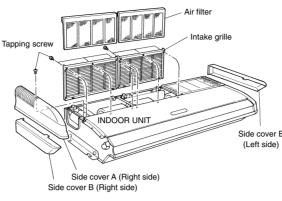
INSTALLATION

REMOVE THE INTAKE GRILLE AND SIDE COVER

(1) Remove the two Air filters. (2) Remove the two Intake grilles

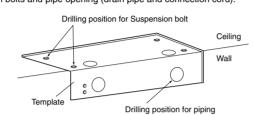
• For 4 Left rear drain and 5 Left drain: Remove air filters and intake grilles at three places. (Refer to "2 INDOOR UNIT INSTALLATION".) (3) Remove the Side cover A (Right side) and Side cover B (Right and • For ⑤ Left drain : Remove both the Side cover A (Right and Left

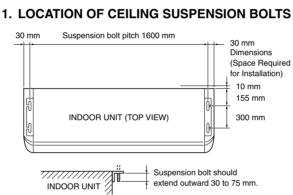
side). (Refer to "2 INDOOR UNIT INSTALLATION".) (4) This air conditioner can be set up to intake fresh air. For information about how to install for fresh-air intake, refer to "T FRESH-AIR INTAKE".

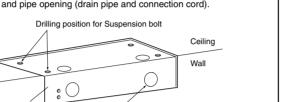


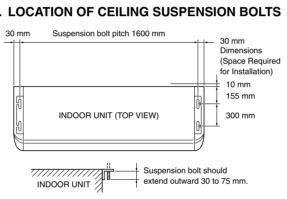
INDOOR UNIT INSTALLATION

You can use the accessory template to help you install the indoor unit The template helps you determine the appropriate locations for suspension bolts and pipe opening (drain pipe and connection cord).









 \bullet For $\ensuremath{\textcircled{2}}$ Top piping and $\ensuremath{\textcircled{3}}$ Right piping connections, use the Auxiliary

Auxiliary pipe (Gas pipe)

(5) When the flare nut is tightened properly by your hand, use a torque

Hold the torque wrench at its grip, keeping it in the right

angle with the pipe, in order to tighten the flare nut

19.05 mm (3/4 in.) dia. 100 to 110 N·m (1000 to 1100 kgf·cm)

14 to 18 N·m (140 to 180 kgf·cm)

33 to 42 N·m (330 to 420 kgf·cm)

50 to 62 N·m (500 to 620 kgf·cm)

63 to 77 N·m (630 to 770 kgf·cm)

3 Right piping

wrench to finally tighten it.

6.35 mm (1/4 in.) dia.

9.52 mm (3/8 in.) dia.

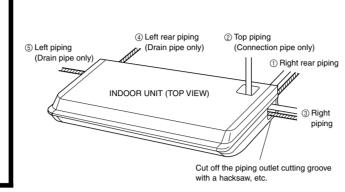
12.70 mm (1/2 in.) dia.

15.88 mm (5/8 in.) dia.

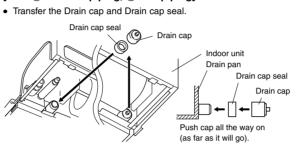
[For Half-Concealed Installation] · Suspension-bolt pitch should be as shown in the figure

Ceiling panel Ceiling Opening: 640 mm Ceiling pane extend outward 30 to 50 mm. INDOOR UNIT

2. SELECT PIPING DIRECTION Select connection piping and drain piping directions.

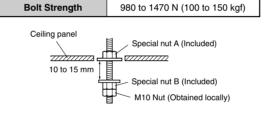


[FOR ④ Left rear piping, ⑤ Left piping]



3. DRILLING THE HOLES AND ATTACHING THE SUSPENSION BOLTS

(1) Drill ø25 mm holes at the suspension-bolt locations. (2) Install the bolts, then temporarily attach Special nuts A and B and a normal M10 nut to each bolt. (The two special nuts are provided with the unit. The M10 nut must be obtained locally.) Refer to the figure.



4. HEAT INSULATION ON THE PIPE JOINTS

After checking for gas leaks, insulate by wrapping insulation around the

two parts (Gas and Liquid) of the indoor unit coupling, using the coupler

After installing the coupler heat insulation, wrap both ends with vinyl tape

Secure both ends of the heat insulation material using nylon fasteners.

And finally fix connection pipe (Liquid) to connection pipe (Gas) by rolling

vinyl tape over coupler heat insulation (Gas) and coupler heat insulation

Coupler heat insulation (Small)

Connection pipe (Gas)

Connection pipe (Liquid)

Nylon fastener (Large)

• When using an auxiliary pipe, make sure that the fastener used is insu-

↑ CAUTION

There should be no gaps between the insulation and the

(INDOOR SIDE ONLY)

heat insulation.

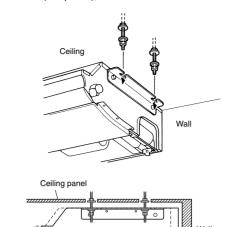
so that there is no gap.

lated in the same way

product.

4. INSTALLING THE INDOOR UNIT

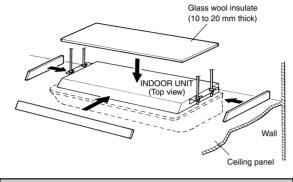
(1) Lift unit so that suspension bolts pass through the suspension fittings at the sides (four places), and slide the unit back.



(2) Fasten the indoor unit into place by tightening-up the special "B" bolts and the M10 nuts. Make sure that unit is secure and will not shift back

[For Half-Concealed Installation]

When installing the indoor unit in a semi-concealed orientation, make sure to reinforce the insulation of the unit on all sides. Drops of water may fall from the unit if it is not thoroughly insulated.



In order to check the drainage, be sure to use a level during installation of the indoor unit. If the installation site of the indoor unit is not level, water leakage may occur.

↑ CAUTION

5. DRAIN PIPING

↑ CAUTION

Install the drain pipe in accordance with the instructions in this installation instruction sheet and keep the area warm enough to prevent condensation. Problems with the piping may lead to water leaks.

- Install the drain pipe with downward gradient (1/50 to 1/100) and so there are no rises or traps in the pipe.
- Use general hard polyvinyl chloride pipe (VP25) [outside diameter • During installation of the drain pipe, be careful to avoid applying
- pressure to the drain port of the indoor unit.
- When the pipe is long, install supporters.
- Do not perform air bleeding.

• Always heat insulate (8 mm or over thick) the indoor side of the drain

№ WARNING

Before starting work, check that power is not being supplied to the indoor unit and outdoor unit. Match the terminal board numbers and connection

Connect the connection cords firmly to the termina

Always fasten the outside covering of the connecti cord with the cord clamp. (If the insulator is chafed,

Always connect the ground wire.

Install the remote controller wires so as not to be di rect touched with your hand

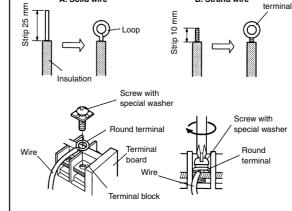
terminal screw.

(4) Shape the loop wire properly, place it on the terminal board and tighten securely with the terminal screw using a screwdriver.

B. For strand wiring

the insulation to about 10 mm to expose the strand wiring. Using a screwdriver, remove the terminal screw(s) on the term

terminal to each stripped wire end. terminal screw using a screwdriver.



ELECTRICAL WIRING

White

cord colors with those of the outdoor unit. Erroneous wiring may cause burning of the electric

board. Imperfect installation may cause a fire.

electric leakage may occur.)

HOW TO CONNECT WIRING TO THE TERMINALS

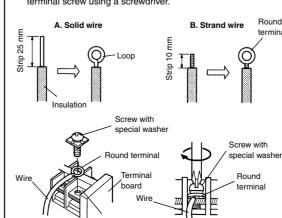
A. For solid core wiring

1) Cut the wire end with a wire cutter or wire-cutting pliers, then strip the insulation to about 25 mm to expose the solid wire. Using a screwdriver, remove the terminal screw(s) on the terminal

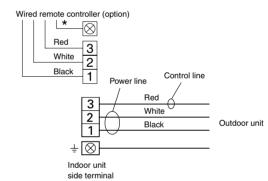
(3) Using pliers, bend the solid wire to form a loop suitable for the

1) Cut the wire end with a wire cutter or wire-cutting pliers, then strip

(3) Using a round terminal fastener or pliers, securely clamp a roun 4) Position the round terminal wire, and replace and tighten t



1. CONNECTION DIAGRAMS



O Good

Cut the included insulation material to an appropriate size and adhere

(2) If "① Right rear piping": fasten the drain pipe with VT wire so that the

(3) If the drain hose will not be connected to the right rear piping, cut the

hole cover at the points indicated in Fig. (a), and attach it to the piping

pipe slopes correctly within the indoor unit.

(1) Install insulation for the drain pipe.

Indoor unit (drain port)

Indoor unit

hole as shown in Fig. (b)

it to the pipe.

X Bad

Insulation for drain pipe

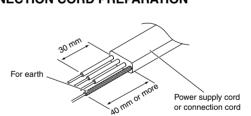
should be at least 8 mm.

Drain pipe insulation

Drain pipe insulation (accessories

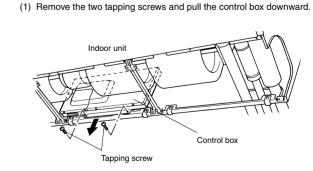
(To be obtained locally, Lengtl

2. CONNECTION CORD PREPARATION

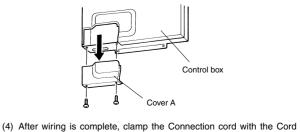


3. INDOOR UNIT

↑ CAUTION Use care not to mistake the power supply cord and connection wires when installing.



(2) Remove the Cover A and install the Connection cord. (3) Reattach Cover A. Then fasten the control box back into its original position using the two tapping screws.



↑ CAUTION Do not use mineral oil on flared part. Prevent mineral oil from getting into the system as this would reduce While welding the pipes, be sure to blow dry nitrogen gas through them.

1. FLARING

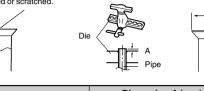
(1) Cut the connection pipe to the necessary length with a pipe cutter. (2) Hold the pipe downward so that cuttings will not enter the pipe and

CONNECTING THE PIPE

remove the burrs (3) Insert the flare nut (always use the flare nut attached to the indoor and outdoor units respectively) onto the pipe and perform the flare

processing with a flare tool. Use the special R410A flare tool, or the conventional flare tool

Check if [L] is flared uniformly



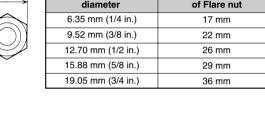
Dina autalda diamatan	Dimension A (mm)	
Pipe outside diameter	Flare tool for R410A, clutch type	
6.35 mm (1/4 in.)		
9.52 mm (3/8 in.)		
12.70 mm (1/2 in.)	0 to 0.5	
15.88 mm (5/8 in.)		
19.05 mm (3/4 in.)		

Pipe outside diameter	Dimension B -0.4 (mm)		
6.35 mm (1/4 in.)	9.1		
9.52 mm (3/8 in.)	13.2		
12.70 mm (1/2 in.)	16.6		
15.88 mm (5/8 in.)	19.7		
19.05 mm (3/4 in.)	24.0		
When using conventional flare tools to flare R410A pines, the dimension			

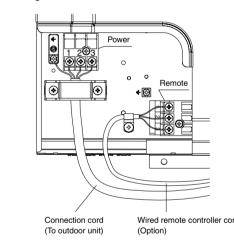
A should be approximately 0.5 mm more than indicated in the table (for

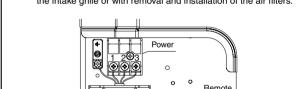
flaring with B410A flare tools) to achieve the specified flaring. Use a thick-

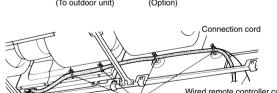
ness gauge to measure the dimension A. Width across flats Pipe outside of Flare nut

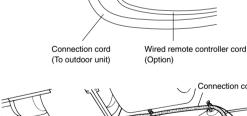


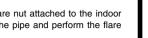
(5) Attach the connection cord and cable clips. Make sure that they are positioned so that they will not interfere with opening and closing of the intake grille or with removal and installation of the air filters.











- Continued on back -

FUNCTION SETTING

- Follow the instructions in the Local Setup Procedure, which is supplied with the remote control, in accordance with the installed condition. After the power is turned on, perform the Function Setting on the remote
- The settings may be selected between the following two: Function
- Number or Setting Value. Settings will not be changed if invalid numbers or setting values are

Setting the Ceiling Height

 Select the setting values in the table below according to the height of the ceiling. (The unit is factory-set to "00".)

are coming (the amount and y court county			
Setting Description	Function Number	Setting Value	
Standard (2.3 m to 3.0 m)	20	00	
High ceiling		01	

Setting the Filter Sign

- The indoor unit has a sign to inform the user that it is time to clean the
- Select the time setting for the filter sign display interval in the table below according to the amount of dust or debris in the room. (The unit is factory-set to "00".)
- If you do not wish the filter sign to be displayed, select the setting value

Setting Description	Function Number	Setting Value
Standard		00
(2,500 hours)		00
Long interval		01
(4,400 hours)	11	01
Short interval		02
(1,250 hours)		02
No indication		03

Setting the Cooler Room Temperature Correction

• Depending on the installed environment, the room temperature sensor may require a correction. The settings may be selected as shown in the

table below. (The unit is factory-set to "00".)

	Setting Description	Function Number	Setting Value
	Standard	20	00
	Lower control	30	01

Setting the Heater Room Temperature Correction

• Depending on the installed environment, the room temperature sensor may require a correction. The settings may be changed as shown in the table below. (The unit is factory-set to "00".)

Setting Description	Function Number	Setting Value
Standard		00
Lower control	04	01
Slightly warmer control	31	02
Warmer control		03

Setting Other Functions

 The following settings are also possible, depending on the operating conditions. (The unit is factory-set to "00".)

Setting Value
00
01

Indoor R	oom ⁻	Temp	eratu	re Sen	sor S	witch	ing F	uncti	on (V	Vired	rem	ote c
troller or	ly)											

Setting Description Function Number

Setting Description	Function Number	Setting Value	
No	40	00	
Yes	42	01	

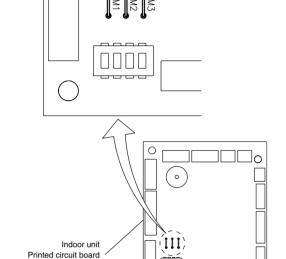
- If setting value is "00", room temperature is controlled by the indoor unit temperature sensor.
- If setting value is "01", room temperature is controlled by either indoor unit temperature sensor or remote control unit sensor.

[When using the wireless remote controller] SWITCHING REMOTE CONTROL UNIT SIGNAL CODES

 Confirm the setting of the remote control unit signal code and the printed circuit board setting.

If these are not confirmed, the remote control unit cannot be used to operate for the air conditioner.

Jumpe	er wire	Remote control unit		
JM1 JM2		signal code		
Connect	Connect	A (Primary setting)		
Disconnect	Connect	b		
Connect	Disconnect	С		
Disconnect	Disconnect	d		
	JM1 Connect Disconnect Connect	Connect Connect Disconnect Connect Connect Disconnect		



Setting record Record any changes to the settings in the following table.

and turn it on again.

Setting Value

TEST RUN

CHECK ITEMS

- (1) Is operation of each button on the remote control unit normal? (2) Does each lamp light normally?
- (3) Do not air flow direction louvers operate normally?
- (5) Is there any abnormal noise and vibration during operation?
- Do not operate the air conditioner in the running state for a long time.

When the air conditioner is run by pressing the remote control unit test run button, the OPERATION and TIMER lamps flash slowly at the same

[Using the wireless remote control]

 For the operation method, refer to the operating manual. The outdoor unit may not operate depending on the room temperature. In this case, press the test run button on the remote control unit while the air conditioner is running. (Point the transmitter section of the remote control unit toward the air conditioner and press the test run button with the tip of a ball-point pen, etc.)

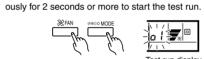


• To end test operation, press the remote control unit START/STOP button. (When the air conditioner is run by pressing the test run button, the OPERATION indicator lamp and TIMER indicator lamp will simultane-

[Using the wired remote control]

For the operation method, refer to the operating manual.

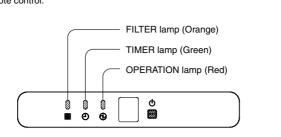
(1) Stop the air conditioner operation. (2) Press the master control button and the fan control button simultane-



(3) Press the start/stop button to stop the test run.

Troubleshooting

(Troubleshooting with the indoor display) Troubleshooting at the display is possible either on the wired or wireless remote control.



The OPERATION, TIMER and FILTER lamp operate as follows table according to the error contents.

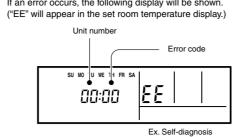
OPERATION TIMER lamp FILTER lamp

Error contents	lamp (RED)	(GREEN)	(ORANGE)
Indoor signal error	×	0	×
Wired remote controller abnormal	×	(8 times)	×
Indoor room temperature sensor error	(2 times)	(2 times)	×
Indoor heat exchanger temperature sensor (middle) error	(2 times)	(3 times)	×
Indoor heat exchanger temperature sensor (inlet) error	(2 times)	(4 times)	×
Float switch operated	(2 times) \bigcirc	(6 times)	×
Outdoor discharge pipe temperature sensor error	(3 times)	(2 times)	×
Outdoor heat exchanger temperature sensor (outlet) error	(3 times)	(3 times)	×
Outdoor temperature sensor error	(3 times) \bigcirc	(4 times)	×
Heatsink thermistor error	(3 times)	(7 times)	×
Compressor temperature sensor error	(3 times)	(8 times)	×
2-way valve temperature sensor error	(3 times)	×	(2 times)
3-way valve temperature sensor error	(3 times)	×	(3 times)
Outdoor heat exchanger temperature sensor (middle) error	(3 times)	×	(4 times)
Indoor manual auto switch abnormal	(4 times)	(2 times)	×
Power supply frequency detection error	(4 times)	(4 times)	×
IPM protection	(5 times)	(2 times)	×
CT error	(5 times)	(3 times)	×
Compressor location error	(5 times)	(5 times)	×
Outdoor fan error	(5 times)	(6 times)	×
Connected indoor unit abnormal	(5 times)	(7 times)	×
Outdoor unit computer communication error	(5 times)	(8 times)	×
Indoor fan abnormal	(6 times)	(2 or 3 times)	×
Discharge temperature error	(7 times)	(2 times)	×
Excessive high pressure protection on cooling	(7 times)	(3 times)	×
4-way valve abnormal	(7 times)	(4 times)	×
Pressure switch abnormal	(7 times) 🔾	(5 times)	×
Compressor temperature error	(7 times) 🔘	(6 times)	×
Active filter abnormal	(8 times)	(2 or 3 times)	×
PFC circuit error	(8 times)	(4 times)	×

[Troubleshooting at the remote control LCD] This is possible only on the wired remote control.

[SELF-DIAGNOSIS]

If an error occurs, the following display will be shown. ("EE" will appear in the set room temperature display.)

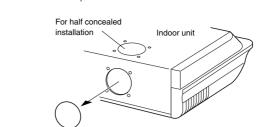


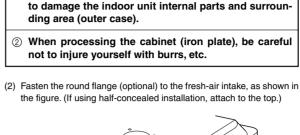
Error code	Error contents				
01					
13	Indoor signal error				
26					
27					
00 Wired remote controller abnormal					
02	Indoor room temperature sensor error				
04	Indoor heat exchanger temperature sensor (middle) error				
28	Indoor heat exchanger temperature sensor (inlet) error				
09	Float switch operated				
0C	Outdoor discharge pipe temperature sensor error				
06	Outdoor heat exchanger temperature sensor (outlet) error				
0A	Outdoor temperature sensor error				
0E Heatsink thermistor error					
15 Compressor temperature sensor error					
1d 2-way valve temperature sensor error					
1E 3-way valve temperature sensor error					
29	Outdoor heat exchanger temperature sensor (middle) error				
20	Indoor manual auto switch abnormal				
2A	Power supply frequency detection error				
17	IPM protection				
18	CT error				
1A	Compressor location error				
1b	Outdoor fan error				
1F	Connected indoor unit abnormal				
1c Outdoor unit computer communication error					
12	Indoor fan abnormal				
0F	Discharge temperature error				
24	Excessive high pressure protection on cooling				
2c	4-way valve abnormal				
16	Pressure switch abnormal				
2b	Compressor temperature error				
19	Active filter abnormal				
25	PFC circuit error				

If "CO" appears in the unit number display, there is a remote controller error. Refer to the installation instruction sheet included with the remote

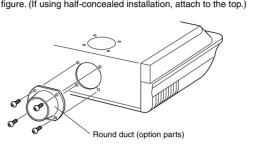
FRESH-AIR INTAKE

(1) Open up the knockout hole for the fresh-air intake, as shown in the figure. (If using half-concealed installation, open up the top knockout hole instead.)





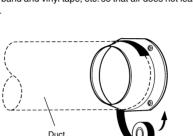
the figure. (If using half-concealed installation, attach to the top.)



[After completing "2 INDOOR UNIT INSTALLATION"...]

(3) Connect the duct to the round flange.

(4) Seal with a band and vinyl tape, etc. so that air does not leak from the



SPECIAL INSTALLATION METHODS

	⚠ CAUTION
1)	When setting DIP switches, do not touch any other parts on the circuit board directly with your bare hands.

② Be sure to turn off the main power.

Explain the following to the customer in accordance with the operating

CUSTOMER GUIDANCE

(1) Starting and stopping method, operation switching, temperature adjustment, timer, air flow switching, and other remote control unit op-

(2) Air filter removal and cleaning, and how to use the air louvers.

(3) Give the operating and installation manuals to the customer. (4) If the signal code is changed, explain to the customer how it changed (the system returns to signal code A when the batteries in the remote

control unit are replaced). *(4) is applicable to using wireless remote control.

PART NO. 9378042018

1. GROUP CONTROL SYSTEM A number of indoor units can be operated at the same time using a $% \left\{ 1,2,\ldots ,n\right\}$ single remote controller. (1) Wiring method (indoor unit to remote controller) **⚠** CAUTION When removing the cabinet (iron plate), be careful not

Remote controller wire (2) DIP switch setting (indoor unit) Set the unit number of each indoor unit using DIP switch on the indoor

Indoor unit								
Unit number	DIP SWITCH No.							
	1	2	3	4				
0	OFF	OFF	OFF	OFF				
1	ON	OFF	OFF	OFF				
2	OFF	ON	OFF	OFF				
3	ON	ON	OFF	OFF				
4	OFF	OFF	ON	OFF				
5	ON	OFF	ON	OFF				
6	OFF	ON	ON	OFF				
7	ON	ON	ON	OFF				
8	OFF	OFF	OFF	ON				
9	ON	OFF	OFF	ON				
10	OFF	ON	OFF	ON				
11	ON	ON	OFF	ON				
12	OFF	OFF	ON	ON				
13	ON	OFF	ON	ON				
14	OFF	ON	ON	ON				
15	ON	ON	ON	ON				

unit circuit board. (See following table and figure.)

DIP switch is normally set to make unit number No. 0.

Example: No. 3

