FORD & DOONAN
Air Conditioning Systems®

Operating Instructions

for your Ford & Doonan Ducted System

Congratulations!

Congratulations on your new Ford & Doonan Air Conditioning System. You can rest assured you have received a system of the highest quality, backed by the very best customer service. Before operating the air conditioner, please read this operating manual carefully. It will advise you on how to operate the unit correctly, understand the air conditioner's advanced features and help you in the unlikely event that a problem should occur.

Please keep this manual in a safe place for future reference.

Thank you
for purchasing
Ford & Doonan
Air Conditioning

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Contents

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1800 247 266
info@fordanddoonan.com.au
fordanddoonan.com.au

1. Important Safety Instructions

Never remove any fixed covers on the indoor or outdoor unit. Removal of the covers may expose fast moving fan blades or electrical components operating at a hazardous voltage. Contact with the blades or high voltage components may result in injury or electric shock.

Never insert any objects into the openings of the indoor or outdoor unit. This may damage the product or result in injury to the person inserting the object.

Do not expose the indoor unit or remote controller to rain or moisture. Water or other fluids on the electrical components may result in fire or electric shock.

Always replace any blown fuse with a fuse of the same specification. The use of the wrong fuse may allow the electrical wiring to overheat and catch on fire. If the correct type of fuse continues to blow, or the circuit breaker continues to trip, contact Ford & Doonan Service Department.

Never operate the air conditioner without the return air filter(s) in place. Operating the unit without the filter(s) will allow dust to enter the indoor unit and build up on the heat exchanger coil and fan motor. This will cause a malfunction of the unit, which will not be covered by warranty.

This electrical appliance is not intended for use by young children. Young children should be supervised to ensure that they do not play with the outdoor unit.

Main switch

Ensure you are familiar with the location of the main switches for the air conditioning system. These switches are normally located adjacent to the outdoor unit and in the fuse box/switchboard.

If the air conditioner is not going to be used for an extended period of time or you are going away on holidays, the main switch should be turned off to prevent accidental operation of the air conditioner. When turning the system back on, the main switch must be turned on at least 6 hours before the air conditioner is operated to warm up the compressor. Failure to do so may result in damage to the compressor, which will not be covered by warranty.

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2. Zone Operation

Applicable when your new system has zones fitted

- For operational instructions please refer to the attached sub manual (if applicable).
- It is possible to run all zones at the same time, however, the system will not be running very efficiently.
- You may operate two or more zones at once, depending on the capacity of your unit, design and heat load. For example, under maximum heat load (a hot day) it is better to have fewer zones on than under a low heat load (at night) when an extra zone may be turned on.
- We recommend turning on the living areas during the day and closing any bedrooms and other zones that are not needed. At night it is best to turn off any living areas and keep the bedroom zones open. This will allow the best efficiency of the system.
- The zones can take up to 2 minutes to open or close.
- If some zones do not have enough air flow check how many zones are open. Close off any zones that are not needed and see if air flow increases.

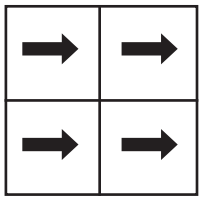
3. Outlets

Multi-Directional outlets

Multi-Directional outlets (if applicable) are designed to give maximum adjustment to airflow. Each of the four cores (called louvre panels) is adjustable by lifting and turning to direct air from one direction to another. For the distribution of cool air, the louvre panels are set to deflect air horizontally across the ceiling. For high ceilings and heating systems the louvre panels are adjusted to achieve 40% downward flow. For spot cooling and heating, the louvre panels oppose each other for a vertical down airflow. The outlets can be manually closed during winter if the system is not used for heating, although this is not a necessity.

Sidewall registers

Sidewall registers (if applicable) have vertical and horizontal blades that are adjustable. The blades are manufactured not to rattle. Any adjustments are required to be done with the assistance of long nose pliers with insulation tape wrapped around the ends so the paint of the register is not damaged. Gently move the blades to the desired position.



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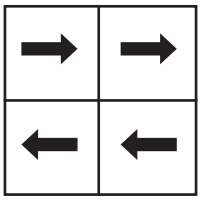

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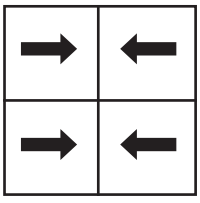

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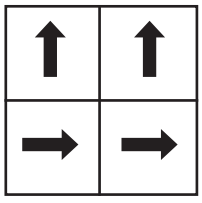

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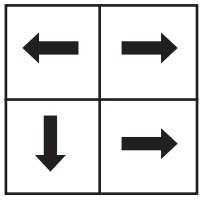

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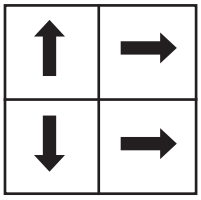

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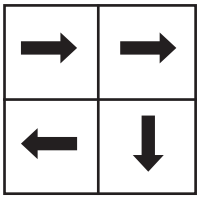

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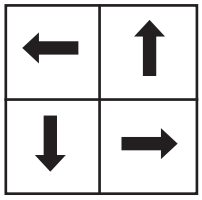

FOUR WAY

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4. Maintenance

1. Cleaning the air filter

If you have a clean air filter pack, please call your Ford & Doonan store to purchase a replacement filter. We recommend replacing the filter every 12 months, if you have allergies or pets, we recommend replacing the filter every 6 months.

To clean your filter, remove the filter, hose it down and leave it a couple of hours to dry. Once this is done do not forget to press the filter reset button on your air conditioning controller.

2. Cleaning the outside panel

Cleaning of the outside panel is easy, by using a soft cloth or a cloth dampened by a neutral detergent solution. Never use paint thinner, other chemical products, or polishing powder when cleaning the outside panel. A good quality car polish can be applied to the painted surfaces to increase the paint's durability.

3. When the unit is not being used for an extended period

- Switch off the main power switch.
- Rust preventative coating has been applied to the outside cover. If corroded, repair by painting.
- Clean the condenser to remove dust and excess waste (leaves, paper, etc.).

4. Maintenance service contract recommended

To ensure your system delivers cool, fresh air throughout the year and that your warranty is valid, it's essential you maintain it regularly. Preventative maintenance by qualified technicians has been proven to reduce the risk of failure of plant and equipment and maintain the efficiency of the overall installation.

Servicing by a qualified Ford & Doonan technician is recommended. For domestic operation of the air conditioning system we recommend an annual service. If equipment is subjected to heavy use a bi-annual service frequency is desirable.

Contact your Service Department (9331 8800) to set up automatic service reminders and ask about our three year service packages at a reduced cost.

We recommend replacing your disposable filter every 12 months

DISPOSABLE filter

WASHABLE filter

5. Common Queries

If the air conditioning is not running or the cooling effect cannot be achieved as desired, check the following points before requesting repair or service.

If the air conditioner does not function please check the following:

Is the power switched ON?

Has the power fuse failed?

Is power supplied?

Has the circuit breaker tripped?

Is the temperature indicator set in the correct operating position, or to a position which is too high for the cooling operation?

How to perform a reboot of your air conditioning system

Before calling the Service Department please perform a reset of your air conditioning system. As any electrical appliance, power dropouts or surges can interrupt the operation of the system. In most cases a reboot is all that is required. In case the system has never been used before, make sure that the main switch has been turned on for at least 6 hours before using the air conditioning unit.

Locate the isolator switch at the outdoor unit. It is a big white switch at the outdoor unit. Turn it off and wait 3 minutes before turning it back on.

If the system does not reboot, or the fault still appears please call the Ford & Doonan Service Department.

Not cooling or heating as desired please check the following:

Is the thermostat set to the proper position to heating or cooling?

Is there an obstruction near the air intake or outlet port?

Is the air filter free from clogging by dust, dirt, etc.?

Are doors and windows completely closed?

Smoke coming from outdoor unit?

In cold weather you may see what appears to be smoke coming from the unit. This is just steam being released when the unit is in de-ice mode. Further you may notice the unit icing up and appearing frozen. This is normal as long as the system completes a de-ice cycle.

"Filter clean" displays

If a small tap or spanner symbol appears, this indicates it is time to clean or replace the filter. Press this switch to reset and clear the symbol once you have cleaned or replaced the filter. Please see Maintenance for more information on how to clean your filter. If the spanner symbol appears with a fault code, it is advising you of a problem and you will need to contact your Service Department.

Faults:

If the **"CHECK"** indicator starts flashing, this means there is a fault at hand.

In this case, or if fault codes appear, please call your Service Department with the fault code, explain the problem and they will be able to assist with the issue.

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6. Performance Expectations

Hot weather

Heat load calculations and manufacturers capacity ratings are based on an outside temperature of 36°C. When the temperature exceeds this, the performance of your air conditioner will fall away the hotter it gets and room temperatures will increase accordingly.

Cold weather

Heat load calculations and manufacturers capacity ratings are based on an outside temperature of 7°C. When the temperature is lower than this, the performance of your air conditioner will fall away the colder it gets and room temperatures will decrease accordingly.The above conditions do occur in Perth and there will be nothing wrong with your air conditioning unit when it happens.

Heating performance

Hot air rises and the room temperatures at different levels will be different. It is normal that some parts of the room will be warmer than others. The same applies on cooling mode but to a lesser degree.

Return air

Your system will usually be designed with one only return air grille. The area around the return air grille will always be drafty, and in Winter, always much cooler than the rooms. This is why we select hallways or other "non occupied rooms". You will have to leave any room's entry door ajar to allow the conditioned air to come back to the grille. You cannot close the door as performance will be affected. We have options to overcome these situations, so please discuss this with your consultant.

Zones

If we have installed zones, then they cannot all be turned on together without effecting performance. On low load days or nights your air conditioner can handle a larger area at one time. Your air conditioner can only handle the percentage of the home we mention in our letter at typical design temperatures. Turning on less zones will effectively increase the available capacity you have.

7. Performance Tips

1. Temperature setting on your air conditioning unit

We recommend that in summer you set the cooling cycle at 24 degrees and in Winter the heating at 21 degrees. On very hot days (above 36 degrees) or cold days (below 7 degrees) one can increase the temperature in Summer and decrease in Winter, to keep the efficiency of the air conditioning.

2. To keep the comfortable temperature without extra heat loading

The easiest solution to start your air conditioner earlier in the day by using your timer setting. On hot days start the air conditioner before your heat load increases so the air conditioner can get a head start. On cold days start the air conditioner whilst it is still warm outside (above 12-15°C). This will let the air conditioner deliver maximum capacity before performance falls away. If your system has zones (residential only) reduce the number of zones turned on when the external conditions are extreme. The smaller the area being air conditioned, the better it can cope.

3. Close doors of rooms that are not being air conditioned

When operating an air conditioning system that utilises the zoning technique, remember the system has only a certain capacity, therefore the idea is to air condition the areas you are occupying at the time. With this in mind, it becomes prudent to habitually close the doors that lead to a non air conditioned area, thereby reducing the total area being subjected to air conditioning. This will enhance the effectiveness of the machine.

4. Allow air flow to return air grille

You will notice that the larger return air grill is normally located in a central position in the building. It is important to encourage the airflow towards this grille. This grille is drawing the total air capacity of the system through it and therefore

requires unrestricted airflow. Depending upon the building, you may need to open or close doors around this area to keep the air flowing to this grille.

5. Regular cleaning of the filter is important

The return air grille in most cases also contains an air filter. This air filter, depending on the system usage and other air quality factors, will need to be cleaned regularly. To do this, simply open the grille and slide out the filter. In most cases it is best to hose the filter clean, although some people prefer to vacuum the filter. Remember, regular cleaning of the filter will improve the system efficiency.

6. Clean outdoor unit and surroundings

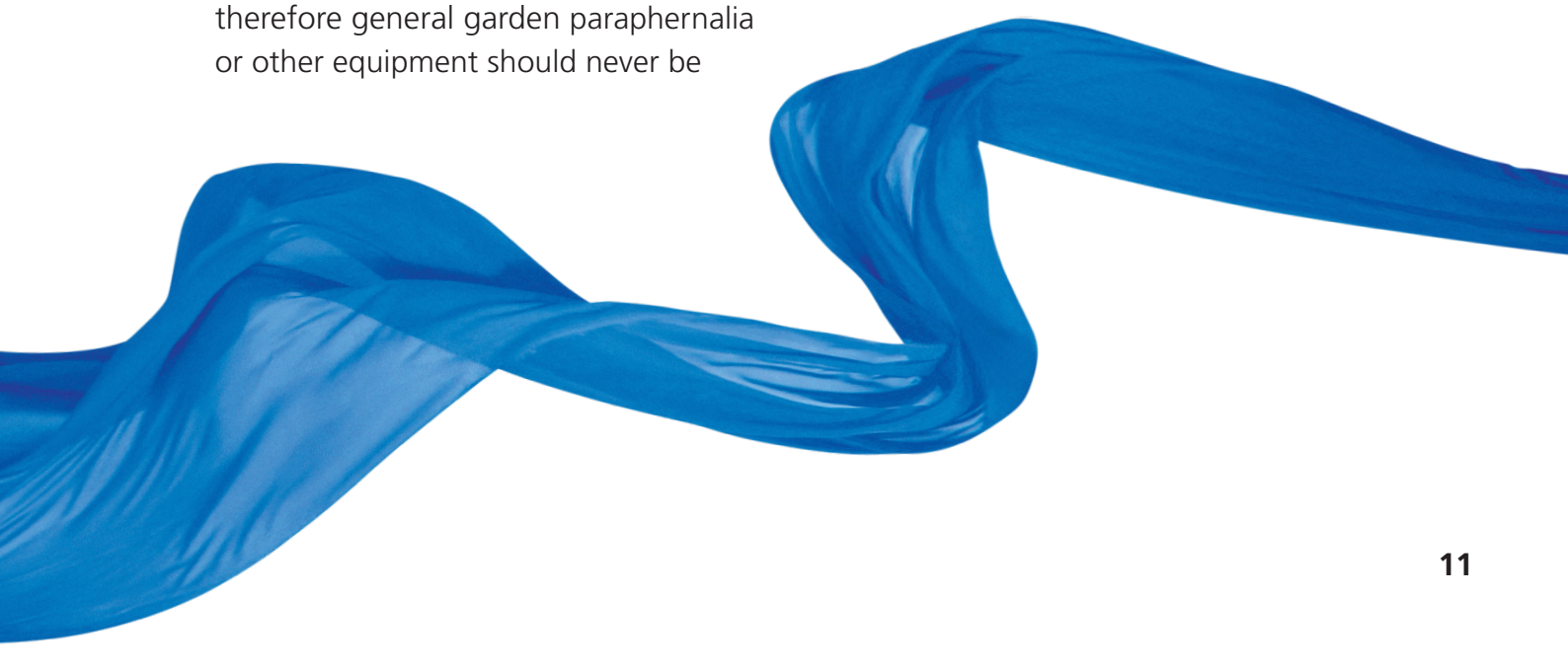
The condensing or outdoor unit is located in a position to best suit the building and the occupants. It is important to maintain cleanliness around the unit, for example sweeping away any build-up of leaves or general flotsam. It is critical to not inhibit the airflow coming from the condenser, therefore general garden paraphernalia or other equipment should never be stacked on or lent against the condenser. Similarly if a garden is developing around the condenser, this can be an advantage as some of the sound from the condensing unit will be absorbed, although a robust bush can block the air flow so consideration should be given to this. It is also imperative to keep the condensing unit accessible for servicing purposes.

7. Sizing of equipment

When we recommend a unit we have completed a heat load calculation on the area. We have assumed the following:

- Curtains will be drawn closed in both sunny Summer days and at night in Winter.
- Ceiling insulation has been installed directly above your ceiling (not just anti-con or sisalation)
- Doors and windows will be left closed.

If any of the above changes, your air conditioner may not be large enough to maintain acceptable room temperatures.

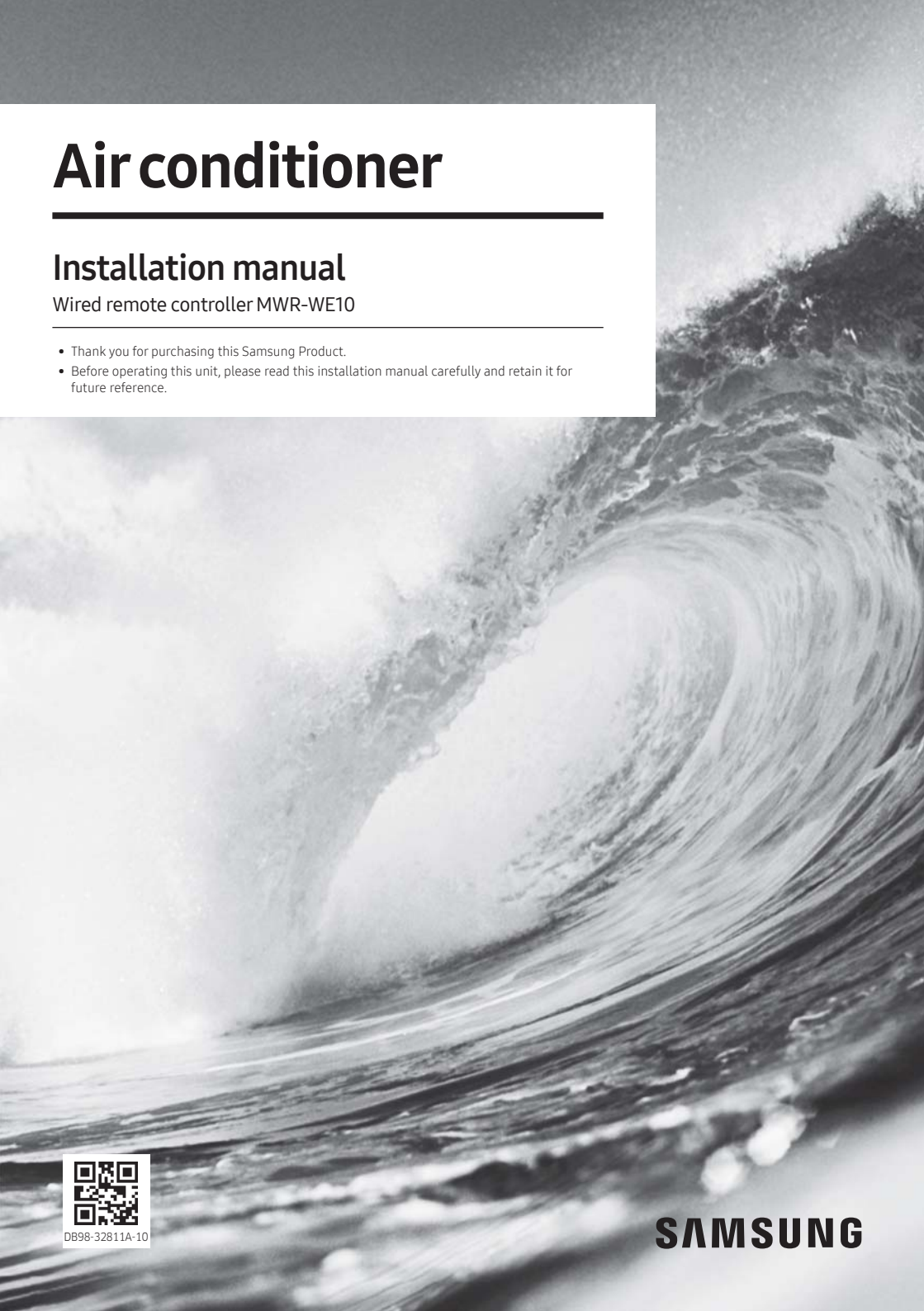


Air conditioner

Installation manual

Wired remote controller MWR-WE10

- Thank you for purchasing this Samsung Product.
- Before operating this unit, please read this installation manual carefully and retain it for future reference.



DB98-32811A-10

SAMSUNG

Safety Information

This installation manual explains how to install a Wired Remote Controller connected to the indoor unit of your Samsung system air conditioner.
Please read this manual thoroughly before installing the product.
(Please refer to appropriate installation for any optional product installation.)

WARNING	Hazards or unsafe practices that may result in **severe personal injury or death.**
CAUTION	Hazards or unsafe practices that may result in **minor personal injury or property damage.**

WARNING

Contact a service center for installation.

- Potential risk of malfunction, water leak, electric shock and fire.

Install the product with proper power supply.

- Potential risk of fire or product damage.

Consult the place of purchase or a contact center to disassemble or repair the product.

- Potential risk of malfunction, electric shock, or fire.

The electric work must be done by qualified person according to national wiring regulations and installation guide.

- If an unauthorized person performs the installation, any resulting defects can cause malfunctions, electrical shocks, or fire accidents.

Install the product on a hard and even place that can support its weight.

- If the place cannot support its weight, the product may fall down and it may cause product damage.

Do not move or reinstall the product on your discretion.

- Potential risk of electric shock or fire.

Check if the installation work is done correctly according to the installation manual.

- Incorrect installation may cause electric shock or fire.

When you want to dispose your Wired Remote Controller, ask the service center.

⚠CAUTION

Do not install the product where there's combustible gas.

▶ Potential risk of fire and explosion.

Ensure no water gets into the Wired Remote Controller.

▶ Potential risk of electric shock or fire.

Install the air conditioner away from direct exposure to sunlight, in room temperature range of 0 °C(32 °F)~ 39 °C(102 °F).

▶ Potential risk of electric shock or malfunction.

Do not handle the product with sharp objects.

▶ Potential risk of electric shock or product damage.

Do not install the product in areas exposed to oil or vapor.

▶ Potential risk of product damage or malfunction.

Do not put undue stress on the power cable.

▶ Potential risk of broken cable and fire.

Do not install the product in areas with frequent use of acid or alkali spray.

▶ Potential risk of electric shock or product malfunction

Do not connect power cable to a communication terminal.

▶ Potential risk of fire.

Be cautious not to interfere any other electrical devices if the product is installed in a place such as hospital.

▶ Potential risk of product malfunction.

Wired Remote Controller Installation

Optional accessories

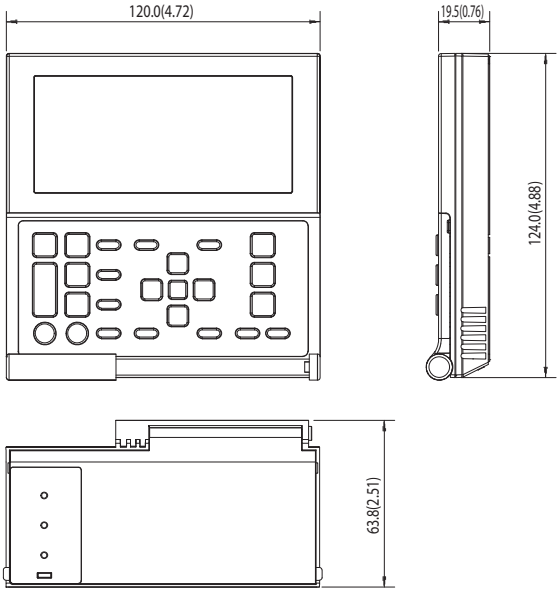
Wired Remote Controller (1)	Cable Tie (2)	Cable Clamp(3)	M4X16 Screw (5)	User Manual (1)	Installation Manual (1)	U Terminal (6)
						

CAUTION

- The Wired Remote Controller should be installed by an installation expert.
- Check and confirm the power is off before installing your Wired Remote Controller.
- Install the Wired Remote Controller cables in accordance with the electrical wiring rules, and allow it to pass through the inner area of the wall so that other people can't reach it.

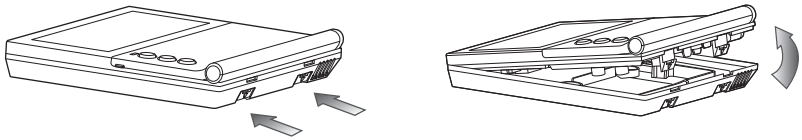
External Dimensions

[Unit : mm(inch)]



Wired Remote Controller Installation

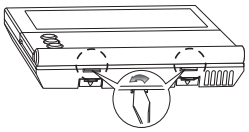
1. **Push the two hooks at the bottom of your Wired Remote Controller at the same time, and then pull up the front cover to separate it from the rear cover.**



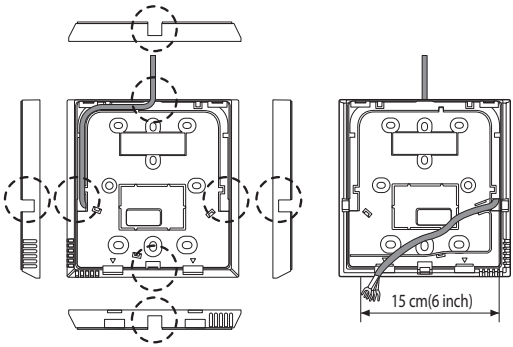
❊ **Push the two hooks at the same time.**

NOTE

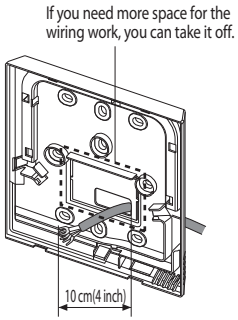
- Insert a flat head screwdriver into the square groove in the upper area of the hook to disassemble it easily.



2. **Arrange the power cable and the communication cable so that they fit in the housing along the edges of the rear cover.**



<When the cable is not concealed>

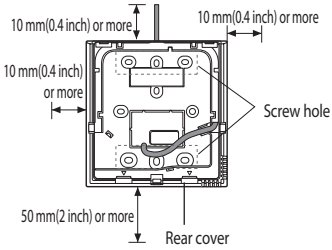


<When the cable is concealed>

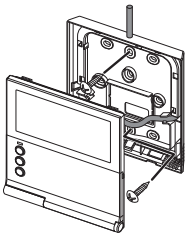
Wired Remote Controller Installation

Wired Remote Controller Installation

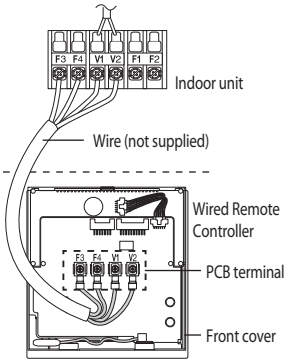
3. Using more than two screws, firmly affix the rear cover of the remote controller to the wall, and then connect the power(V1, V2) and communication cables(F3, F4), making sure these cables have reasonable length, to the terminal at the back of the cover.



❊ Before fixing the rear cover, secure at least 10 mm(0.4 inch) space of upper side, left side, right side, and 50 mm(2 inch) space of bottom side.



❊ You must fit the screws into the screw holes.



❊ Do not tighten the screws on the PCB terminal with excessive force.

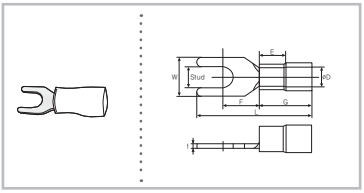
4. Reassemble your Wired Remote Controller.

NOTE

- Align the controller with the upper groove first, and insert it by turning it downward as shown in the figure.
  After assembly, check and confirm that no wires are stuck in the gap between the rear and front cover.

CAUTION

- When installing a Wired Remote Controller by using a cable longer than 10 m, you must install the communication cable and the power cable separatery. (Electrical interference can cause your Wired Remote Controller to malfunction.)
- When installing your Wired Remote Controller on the wall, consider the size of the wire hole, and select a wire with a proper thickness.
- Wire that is connectable to Wired Remote Controller PCB.
  - If you install the Wired Remote Controller by reclaiming, install it according to U-terminal cable specification.
  - If you install the Wired Remote Controller by using four pieces of PVC wire, remove the 30 cm(12 inch) of the sheath of the cable and install it only with the four pieces of wires. (Recommended specification: AWG21)
- The following are the specs of the compression ring terminal connected to your Wired Remote Controller PCB.

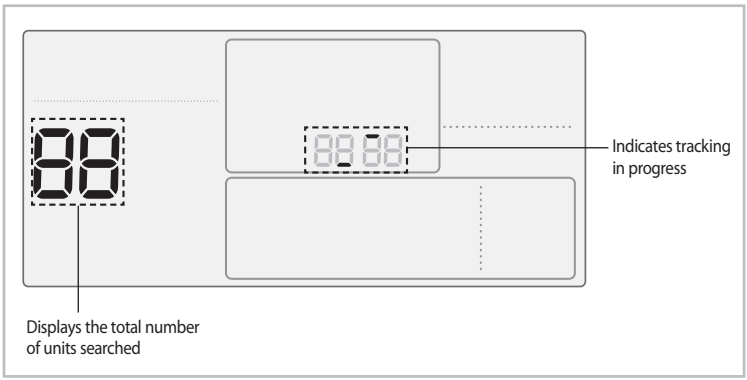


Range of Permitted Wires		Rated Size	Stud Size	Basic Size (mm)						
AWG	mm²	mm²	mm	t	øD	G	E	F	W	L
22~16	0.25~1.65	1.5	3	0.7	3.8	10.0	4.5	6.5	6.0	21.2

❊ Maximum distance for connecting communication and power cable: 100 m

- Screws on the PCB terminal must be tightened with less than 6N-cm tightening torque. If the tightening torque is greater, it may damage the screw thread.

Tracking Your Indoor Unit from the Wired Remote Controller



1. **Tracking of your Wired Remote Controller will automatically start when you turn on the power after installation.**
2. **If you want to perform tracking again after installation, then press the Esc and Delete buttons at the same time for more than five seconds.**
   ▶ The system will reset, and tracking will start again.
3. **During tracking, the total number of currently searched indoor units and ventilator(ERV) will be displayed.**

CAUTION

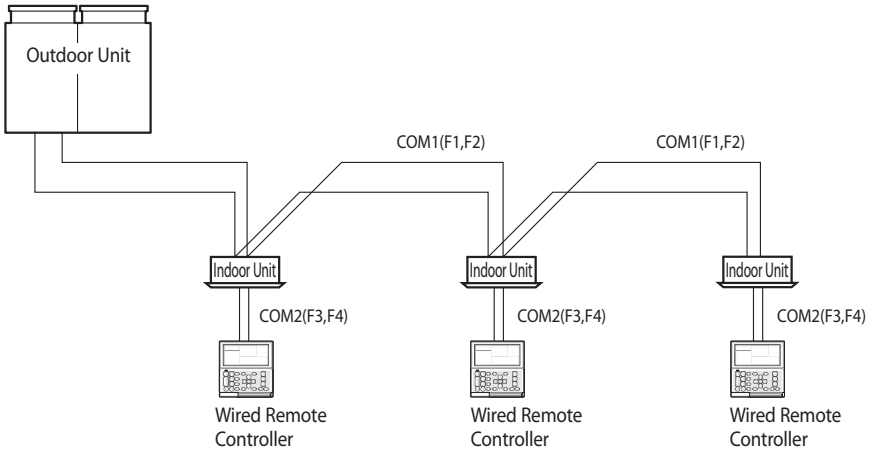
- If you want to perform tracking again after installation, then press the **Esc** and **Delete** buttons at the same time for more than five seconds.
- Only the main Wired Remote Controller can display the total number of indoor units and ventilator(ERV).
  - Sub Wired Remote Controllers do not display the total number of units.

Wired Remote Controller Installation

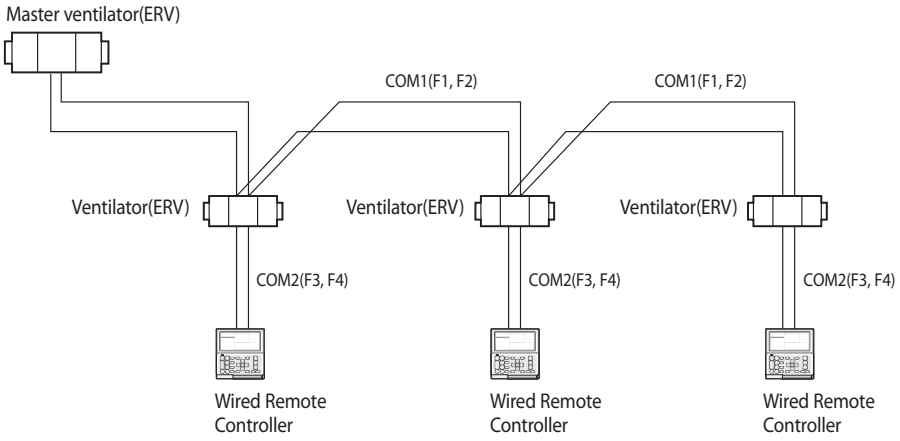
Individual Control with Your Wired Remote Controller

▶ Individual control means that you are using one remote controller to control one indoor unit or ventilator(ERV).

When Connected to an Indoor Unit Only



When Connected to an ventilator(ERV) Only



CAUTION

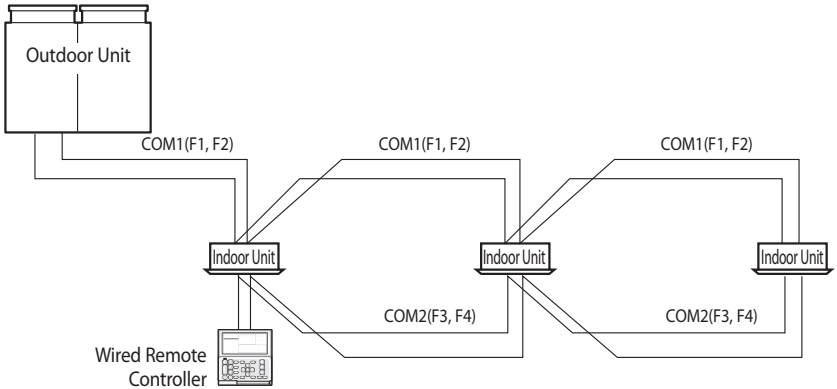
- Regardless of the indoor group address (RMC address) or the ventilator(ERV) group address, only the indoor unit connected to COM2 is individually controlled.
- The power cable (V1, V2) is not connected between indoor units.

Group Control with Your Wired Remote Controller

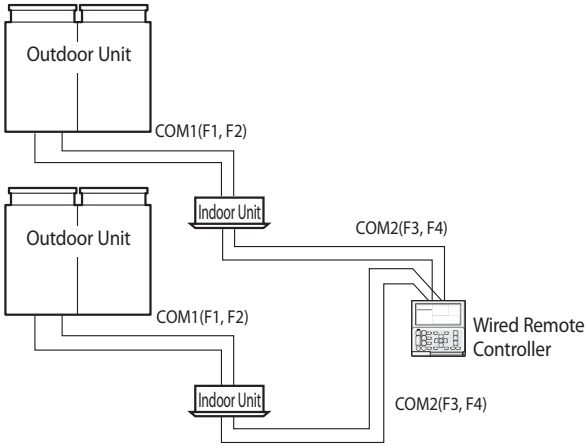
▶ Group control means that you are using one Wired Remote Controller to control two or more indoor units and ventilator(ERV) at the same time.

When Connected to an Indoor Unit Only

(1) Using One Wired Remote Controller to control three indoor Units



(2) Using One Wired Remote Controller to control indoor units connected to different outdoor unit



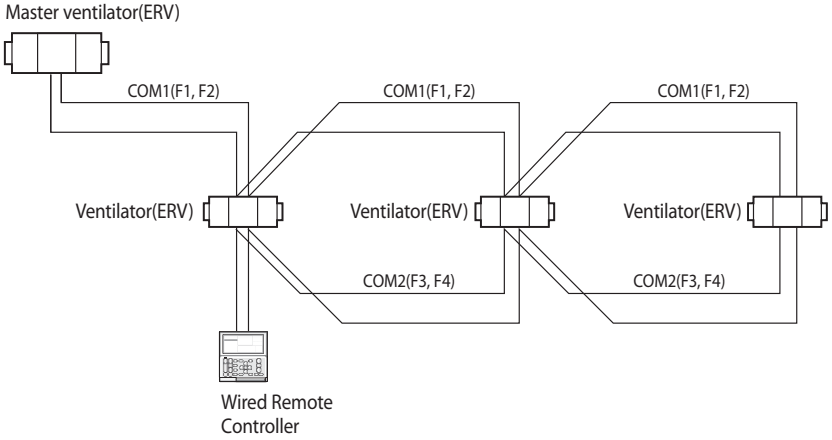
CAUTION

- Regardless of the indoor unit's group address (RMC address), only the indoor units connected to COM2 are controlled in group.
- The power cable (V1, V2) is not connected between indoor units.
- The power cable for your Wired Remote Controller (V1, V2) should be connected to only one indoor unit.
- Regardless of your outdoor units, you can control a maximum of 16 indoor units as a group.

Wired Remote Controller Installation

When Connected to an ventilator(ERV) Only

(1) Using One Wired Remote Controller to Control Three ventilator(ERV)

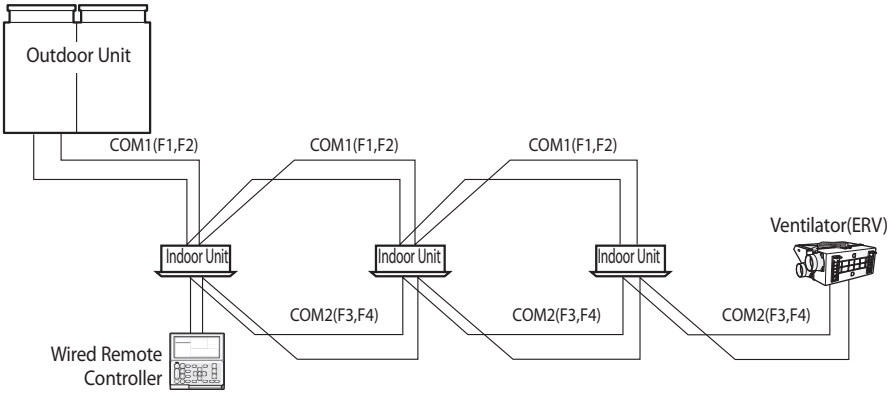


CAUTION

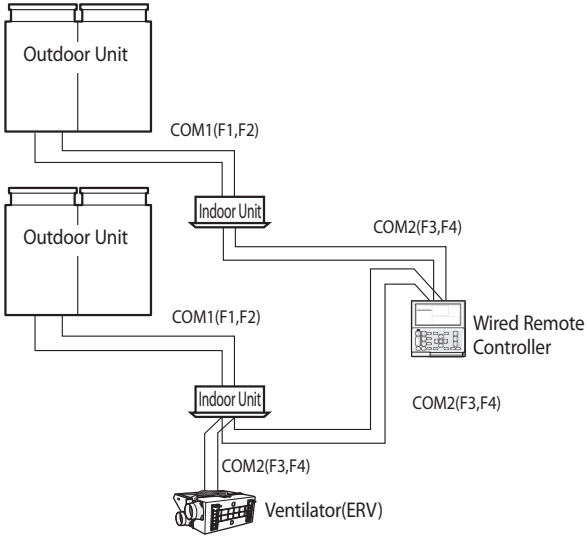
- Regardless of the ventilator(ERV)'s group address (RMC address), only the ventilator(ERV) connected to COM2 controlled in group.
- The power cable (V1, V2) is not connected between ventilators(ERV).
- The power cable for your Wired Remote Controller (V1, V2) should be connected to only one ventilator(ERV).

When Connected to an Indoor Unit and an ventilator(ERV) together

(1) Using One Wired Remote Controller to control multiple indoor units and ventilator(ERV)



(2) Using One Wired Remote Controller to control indoor units connected to different outdoor unit and ventilator(ERV)



CAUTION

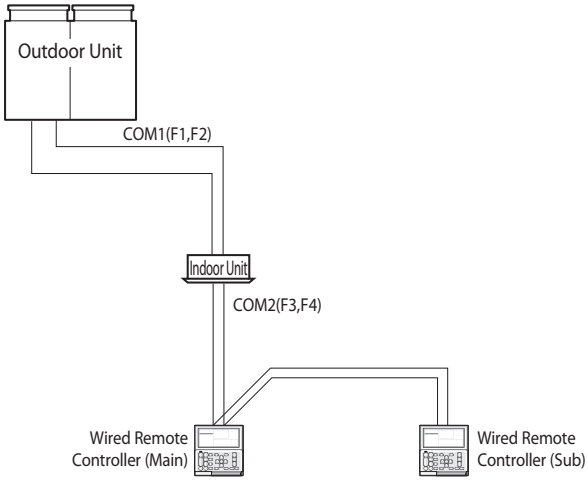
- Regardless of the indoor unit's group address (RMC address), only the indoor units and ventilator(ERV) connected to COM2 are controlled in group.
- When controlling indoor units and ventilator(ERV) together in group, you can control maximum of 16 indoor units and ventilator(ERV).
- If you want to use the power saving function, you have to connect Wired Remote Controller to only one indoor unit and one ventilator(ERV).
- The power cable (V1, V2) is not connected between indoor units.
- The power cable for your Wired Remote Controller (V1, V2) should be connected to only one indoor unit.

Wired Remote Controller Installation

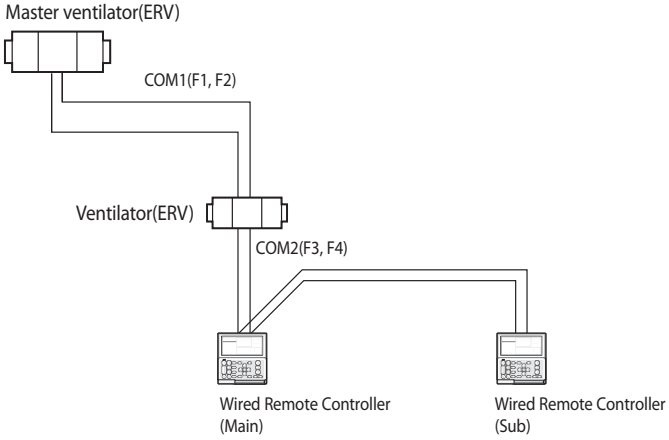
Controlling 2-Remote controller

▶ 2-Remote controller is controlling one indoor unit, ventilator(ERV) or one group of indoor units and ventilator(ERV) with two remote controllers.

When Connected to an Indoor Unit Only



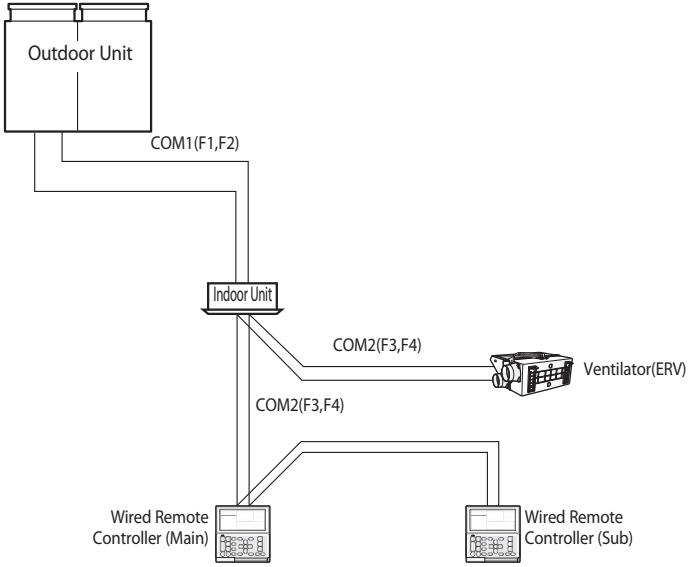
When Connected to an ventilator(ERV) Only



CAUTION

- For the sub Wired Remote Controller settings, please refer to the sections about the additional functions of the Wired Remote Controller. (Refer to page20)
  0 : Main, 1 : Sub

When Connected to an Indoor Unit and an ventilator(ERV) Together



CAUTION

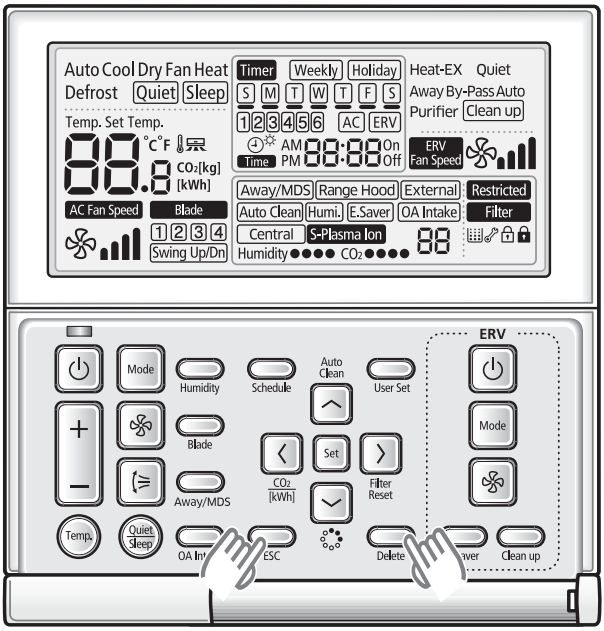
- Regardless of the indoor unit group address (RMC address), only the indoor units connected to COM2 are controlled by 2-remote controller.
- For the sub Wired Remote Controller settings, please refer to the sections about the additional functions of the Wired Remote Controller. (Refer to page20)
  0 : Main, 1 : Sub

Wired Remote Controller Installation

Initializing Your Wired Remote Controller Communication

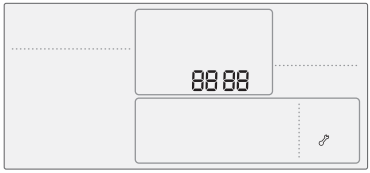
If the number of indoor unit or ventilator(ERV) is decreased while you are using your remote control to control one indoor unit, ventilator(ERV) or a group of indoor units and ventilator(ERV), then you need to initialize your remote controller communication.

1. **Press the Esc and Delete buttons at the same time for more than five seconds.**
   ▶ Your Wired Remote Controller will be initialized, and the device will search for the indoor units/ventilator(ERV) connected to your Wired Remote Controller again.



Errors Displayed on Your Wired Remote Controller

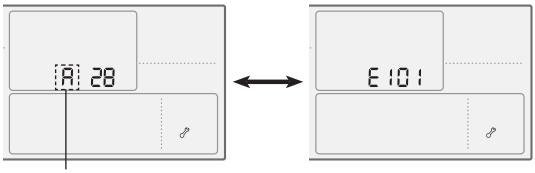
▶ Error codes for the Wired Remote Controller and the product connected to your Wired Remote Controller will be displayed in the LCD display.



LCD Display

When an Error Occurs in Your Indoor/Outdoor Units (Product Group Display: A)

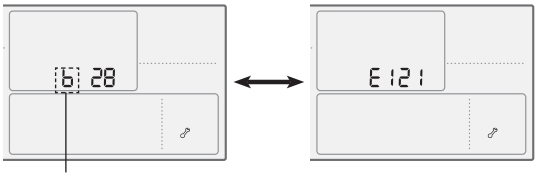
▶ The product address for the error will be displayed, followed by the error code.
Example : Error 101 occurs for Indoor Unit No. 28.



Indoor Unit

When an Error Occurs in Your Ventilator(ERV) (Product Group Display: B)

▶ The product address for the error will be displayed, followed by the error code.
Example : Error 121 has occurred at ventilator(ERV) No. 28.



Ventilator(ERV)

When an Error Occurs in Your Wired Remote Controller

▶ Only an error code will be displayed. (No address will be displayed.)
Example : Error 601 has occurred at your Wired Remote Controller.

Wired Remote Controller Installation

Wired Remote Controller Error Codes

Display	Description
601	Communication error between wired remote controller and indoor/ERV units after successful communication.
602	No communication between Main and Sub wired remote controllers.
604	No communication between wired remote controller and indoor/ERV units
606	Wired remote controller is connected on F1/F2 channel.
607	Two or more wired remote controllers is set as Main.
608	No ERV unit installed for interlocking function.
609	No indoor unit installed for interlocking function.
618	Over 16 indoor/ERV indoor units installed.
619	Indoor units of different temperature setting(°C/°F) connected to same wired remote controller.
620	Wired remote controller(s) has different temperature unit setting with indoor unit(s).
621	Sub wired remote controller has different option setting with Main.

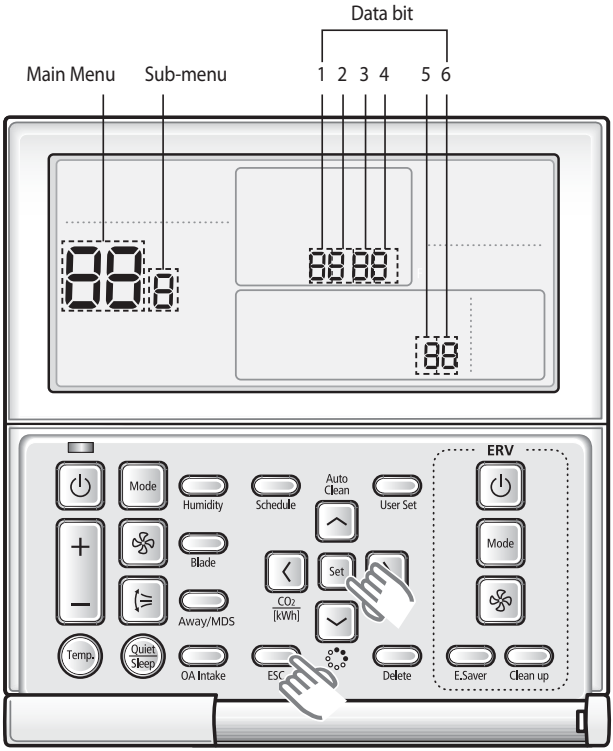
Display	Description
627	Two or more wired remote controllers set as Sub.
630	No By-Pass function on ERV unit but wired remote controller is set to use By-Pass.
631	No Auto function on ERV unit but wired remote controller is set to use Auto.
653	Temperature sensor Open/Short error.
654	- Memory error. - No damper feedback.

CAUTION

• For the error codes for your indoor/outdoor units and ventilator(ERV), refer to the installation manual of each device.

Wired Remote Controller Installation/Service Mode

Additional Functions of Your Wired Remote Controller



1. **If you want to use the various additional functions for your Wired Remote Controller, press the Set and Esc buttons at the same time for more than three seconds.**
   - ▶ You will enter the additional function settings, and the [main menu] will be displayed.

2. **Refer to the list of additional functions for your Wired Remote Controller on the next page, and select the desired menu.**
   - ▶ Using the **[∧]/[∨]** buttons, select a main menu number and press the **[>]** button to enter the sub-menu setting screen.
   - ▶ Using the **[∧]/[∨]** buttons, select a sub-menu number and press the **[>]** button to enter data setting screen.
   - ▶ When you enter the setting stage, the current setting will be displayed.
   - ▶ Refer to the chart for data settings.
   - ▶ Using the **[∧]/[∨]** buttons, select the settings. Press the **[>]** button to move to the next setting.
   - ▶ Press the **Set** button to save the settings and exit to the sub-menu setting screen.
   - ▶ Press the **Esc** button to exit to normal mode.

NOTE
- While setting the data, you can use the **[<]/[>]** buttons to set the range of Data bit.
- While configuring the setting, press the **Esc** button to exit to the setting sub-menu without saving your changes.

Additional Functions of Your Wired Remote Controller

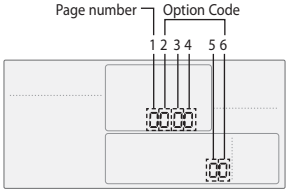
NOTE

- 'NONE' will be displayed if the indoor unit does not support the function.
  In some cases, the setting may not possible or it may be not applied though it is set on the unit.
- If communication initialization is needed after the setting, the system will reset automatically and communication will be initialized.

Main menu	Sub menu	Function		Data bit	Factory setting	Description	Unit
1	1	Wireless remote controller Option setting/checking (1)	Cooling/Heating selection	1	0	0 – Cooling/Heating, 1 – Cooling only	-
			Use of wireless remote controller	2	1	0 – No use, 1 - Use	-
			MAIN/SUB wired remote controller	3	0	0 –MAIN, 1- SUB	-
			Temperature unit	4	0	0 – Celcius(℃), 1 – Fahrenheit(℉)	-
	2	Wireless remote controller Option setting/checking (2)	Temperature sensor selection	1	0	0 – Indoor unit, 1 – Wired remote controller	-
			Use of average temperature	2	0	0 – No use, 1 - Use	-
			Use of Auto mode	3	1	0 – No use, 1 - Use	-
			Temperature display	4	0	0 – Set temperature, 1 - Room temperature	-
			AC On/Off button function	5	0	0 – Indoor unit + ERV, 1 – Indoor unit only, 2 – ERV only,	-
	3	Blade setting/checking	Lock of Blade1	1	0	0 – Unlock, 1 – lock	-
			Lock of Blade2	2	0	0 – Unlock, 1 – lock	-
			Lock of Blade3	3	0	0 – Unlock, 1 – lock	-
			Lock of Blade4	4	0	0 – Unlock, 1 – lock	-
	4	ERV option Setting/checking	Use of By-Pass mode	1	0	0 – No use, 1 - Use	-
			Use of Auto mode	2	0	0 – No use, 1 - Use	-
			Use of air purification mode	3	0	0 – No use, 1 - Use	-
			Use of external control	4	0	0 – No use, 1 - Use	-
	5	Room Temperature compensation	Temperature control reference	1,2,3	0	-9 ~ 40(℃)	0.1(℃)
			Temperature compensation value	4,5,6	0	-9.9 ~ 9.9(℃)	0.1(℃)
	6	Number of connected units	Number of indoor units	1,2	-	0 ~ 16	-
			Number of ERVs	3,4	-	0 ~ 16	-
	7	Temperature increment/decrement (℃ only)		1	0	0-1 ℃, 1-0.5 ℃, 2-0.1 ℃	-
	8	Set/Check ERV Energy saving operation	Select individual Energy saving operation	1	0	0-ON/OFF alternating operation, 1-Outdoor air cooling operation for different temperature setting	-
			Minimum temperature of outdoor air cooling	3,4	15	5 ~ 15(℃)	-
	0	Factory option setting		1	0	0 – Unchanged 1 – Factory setting	-
2	1	Software code		1~6	-	Software code	-
	2	Software version		1~6	-	Software version	-
3	1	Indoor unit room temperature		1,2,3	-	Room temperature	℃
	2	Indoor unit EVA IN temperature		1,2,3	-	EVA IN temperature	℃
	3	Indoor unit EVA OUT temperature		1,2,3	-	EVA OUT temperature	℃
	4	Indoor unit EEV step		1,2,3	-	EEV step	-
	5	Indoor unit option checking (1)	Use of central control	1	-	0 – No use, 1 - Use	-
			Use of drain pump	2	-	0 – No use, 1 - Use	-
			Use of electric heater	3	-	0 – No use, 1 - Use	-
			Use of hot water coil	4	-	0 – No use, 1 - Use	-

Main menu	Sub menu	Function		Data bit	Factory setting	Description	Unit
3	6	Indoor unit option checking (2)	Use of external control	1	-	0 – No use, 1 - Use	-
			Use of RPM compensation	2	-	0 – No use, 1 - Use	-
			Filter time	3	-	0 – 2000 hours, 1 – 1000 hours	-
			Heating temperature compensation	4	-	0-2 °C, 1-5 °C	-
			EEV stop step in heating	5	-	0 – 1/80 steps, 1 – 80	-
4	1	Indoor unit main address checking		1,2	-	Main address (0~63)	-
		Indoor unit main address setting (outdoor unit reset is needed to set)		3,4	-	Main address (0~63)	-
		Indoor unit RMC address setting/checking		5,6	-	RMC address (00H~2FH)	-
	2	Indoor unit option code setting/checking		1)*	-	Indoor unit option code	-
	3	Indoor unit option switch setting/checking		1)*	-	Refer to the indoor unit installation manual for details	-
5	1	AHU setting/checking	RPM setting/checking	3,4	-	0~31 steps	1 step
			Humidity setting/checking	6	-	0 – 30, 1 - 40, 2 - 50	-
	2	AHU discharge temperature setting/checking	Use of discharge temperature control	1	-	0 – No use, 1 - Use	-
			Cooling discharge temperature	3,4	-	8 ~18 °C	1 °C
			Heating discharge temperature	5,6	-	30 ~43 °C	1 °C
	3	Fresh Duct discharge temperature checking	Cooling discharge temperature	1,2	-	15~25	1 °C
			Heating discharge temperature	3,4	-	18~30	1 °C
6	1	ERV Plus setting/checking	Use of cold air prevention	1	-	0 – No use, 1 - Use	-
			Use of humidification when Heating thermo off	2	-	0 – No use, 1 - Use	-
			Use of fan operation in Defrost	3	-	0 – No use, 1 - Use	-
			Use of humidification when Heating	4	-	0 – No use, 1 - Use	-
	2	ERV Plus temperature setting/checking	Cooling	1,2	-	15~30 °C	1 °C
			Heating	3,4	-	15~30 °C	1 °C
	3	ERV Plus Auto mode temperature setting/checking	Set temperature	1,2	-	15~30 °C	1 °C
			Set temperature difference	3,4	-	5~15 °C	1 °C
	4	Setting/checking the compensating temperature A under the Heating EEV control for ERV Plus		1,2	-	0~10 °C	1 °C
		Checking the compensating temperature B under the Heating EEV control for ERV Plus		3	-	0 – Non use of humidifier(0 °C) 1 – Use humidifier(10 °C)	-
	5	ERV Plus fan RPM setting/checking	Air supply RPM	1,2	-	10~27 steps	1 step
			Air exhaustion RPM	3,4	-	10~27 steps	1 step
7	1	Status of Automatic Air-Volume setting		1	0	0 – OFF (Disabled or Cancelled) 1 – Completion 2 – Running Automatic Air-Volume	-
	2	Automatic Air-Volume Operation		1	0	0 – Disable, 1 – Enable	-
	3	Automatic Air-Volume Voltage Setting		1	2	1 – 220 V, 2 – 230 V (Default) 3 – 240 V	-
0		Factory setting		1	-	0 – No use, 1– Factory setting	-

1)* The total option codes are 24 digits. You can set six digits at a time and it is distinguished by page number.
Press [>] button to go to the next page.



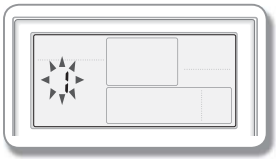
SEG1	SEG2	SEG3	SEG4	SEG5	SEG6
0	✳	✳	✳	✳	✳
SEG7	**SEG8**	**SEG9**	**SEG10**	**SEG11**	**SEG12**
1	✳	✳	✳	✳	✳
SEG13	**SEG14**	**SEG15**	**SEG16**	**SEG17**	**SEG18**
2	✳	✳	✳	✳	✳
SEG19	**SEG20**	**SEG21**	**SEG22**	**SEG23**	**SEG24**
3	✳	✳	✳	✳	✳

Page number

✻ Regardless of Celsius and Fahrenheit setting, service mode setting is available only with Celsius.

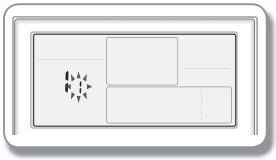
Wired Remote Controller Installation/Service Mode

The example of Wired Remote Controller option setting method



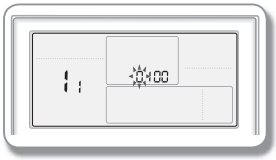
1. Press Set and ESC buttons at the same time for more than 3 seconds.

▶ (Main menu) will be displayed and then press the [∧]/[∨] button to select no.1.



2. Press [>] button to select the number you will set.

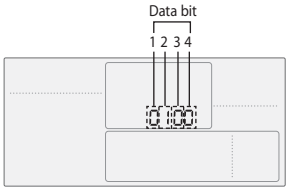
▶ Press [∧]/[∨] button and select no.1



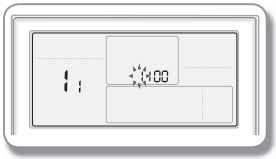
3. Press [>] button to enter the data setting stage.

▶ When you enter the setting stage, the current setting value will be displayed.

Example of data setting stage display



Data1: Both cooling and heating of an indoor unit
Data2: Use wireless remote controller
Data3: Main wired remote controller
Data4: Temperature display – Celsius (°C)



4. Press [<]/[>] button to select the desired Data1.

▶ Press [<]/[>] button to select no.1.

▶ The wired remote controller option is set from both cooling and heating to cooling only.

5. Press Set button to complete the option setting.

▶ Save the setting value and exit to sub menu.

6. Press Esc button to exit to normal mode.

Memo

SAMSUNG