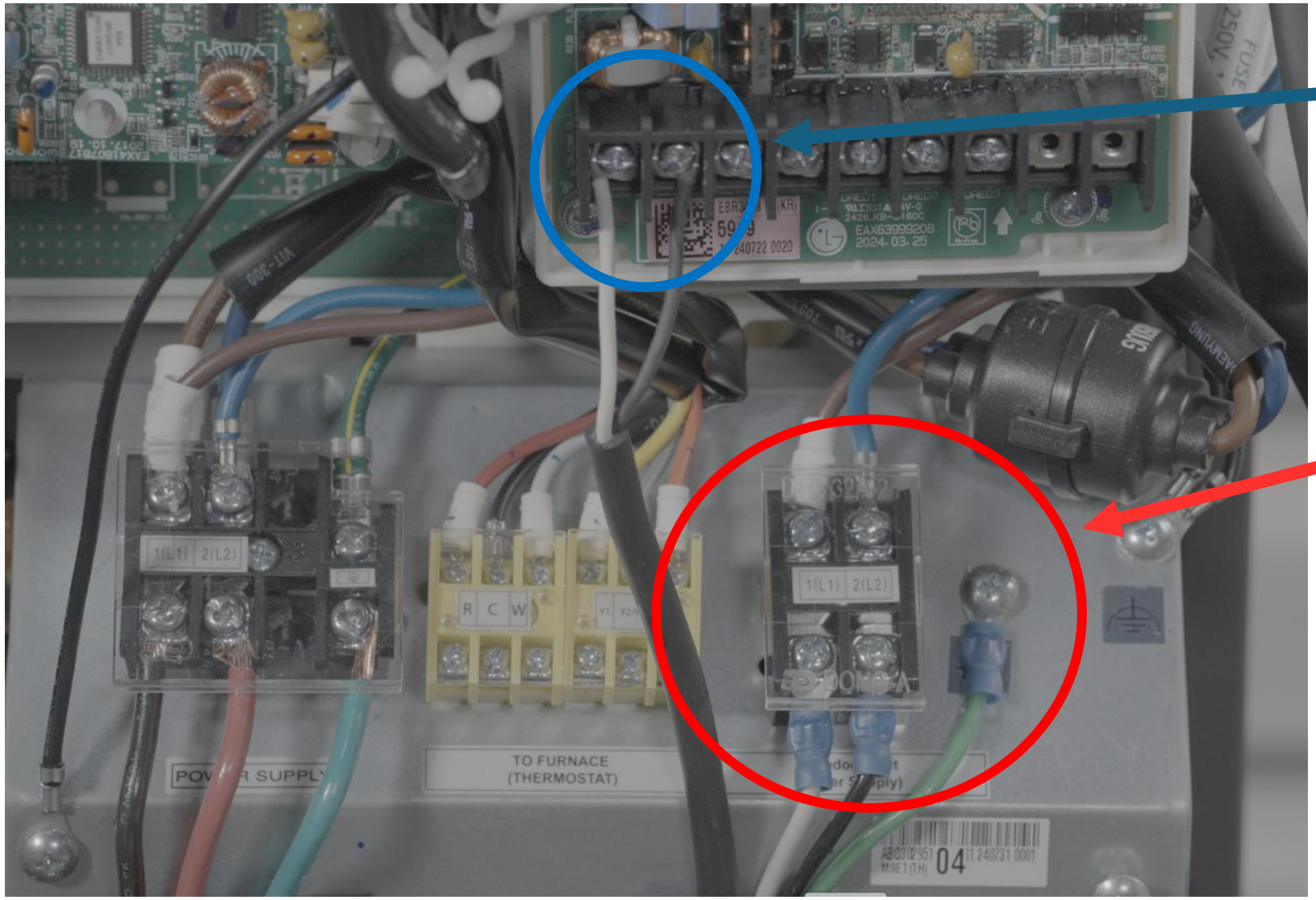
CV Quick Install Guide

UNITARY RETROFIT APPLICATION

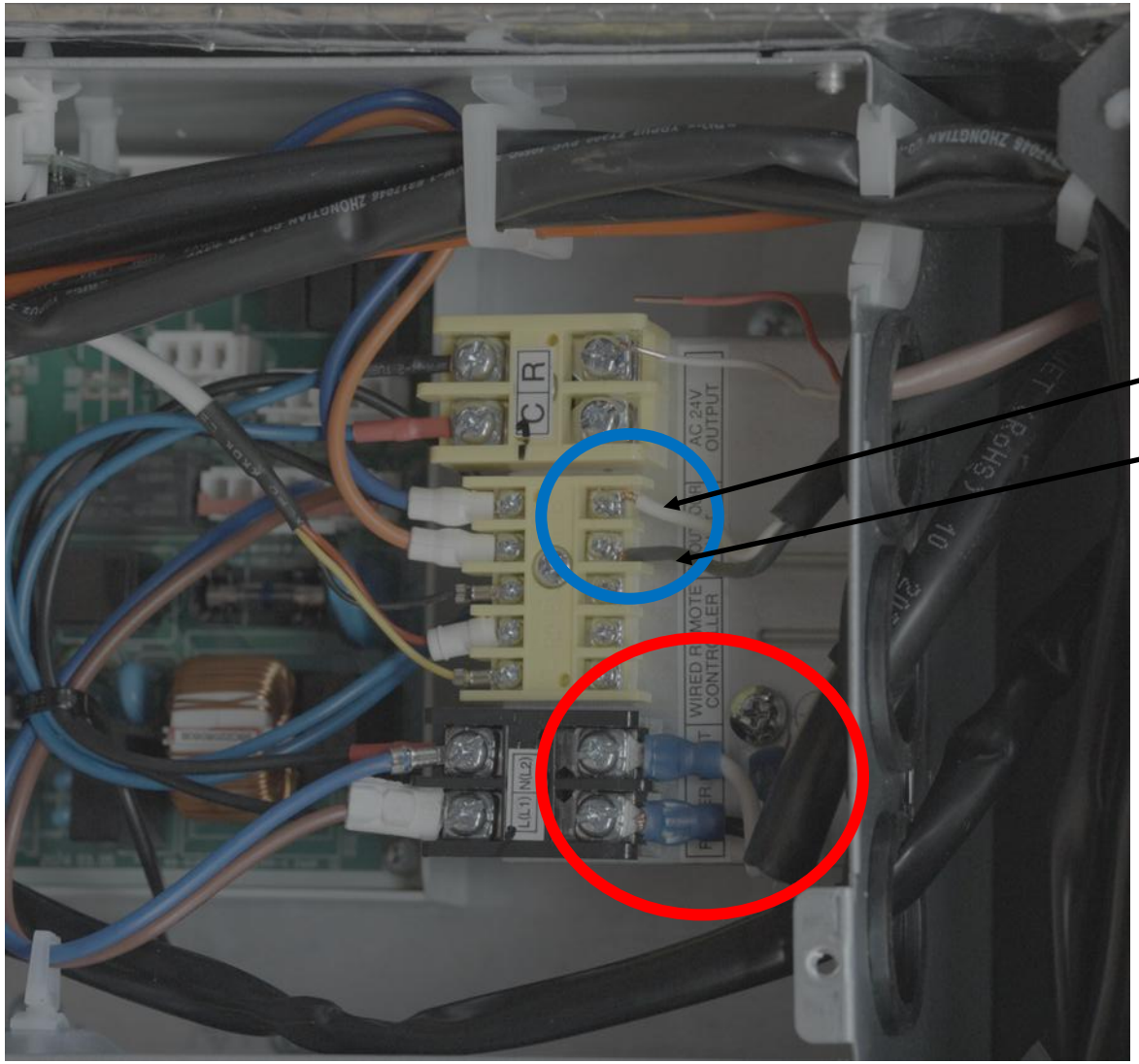
- While is suggested to use stranded communication wire, it is permissible to use existing 18-gauge solid thermostat wire.

- The indoor air handler may be powered from a dedicated 15-amp circuit, instead of from the outdoor unit.
  - If supplemental heat strips are being installed, they must be on a separate circuit from AHU.

OUTDOOR UNIT WIRING CONNECTIONS



INDOOR UNIT WIRING CONNECTIONS



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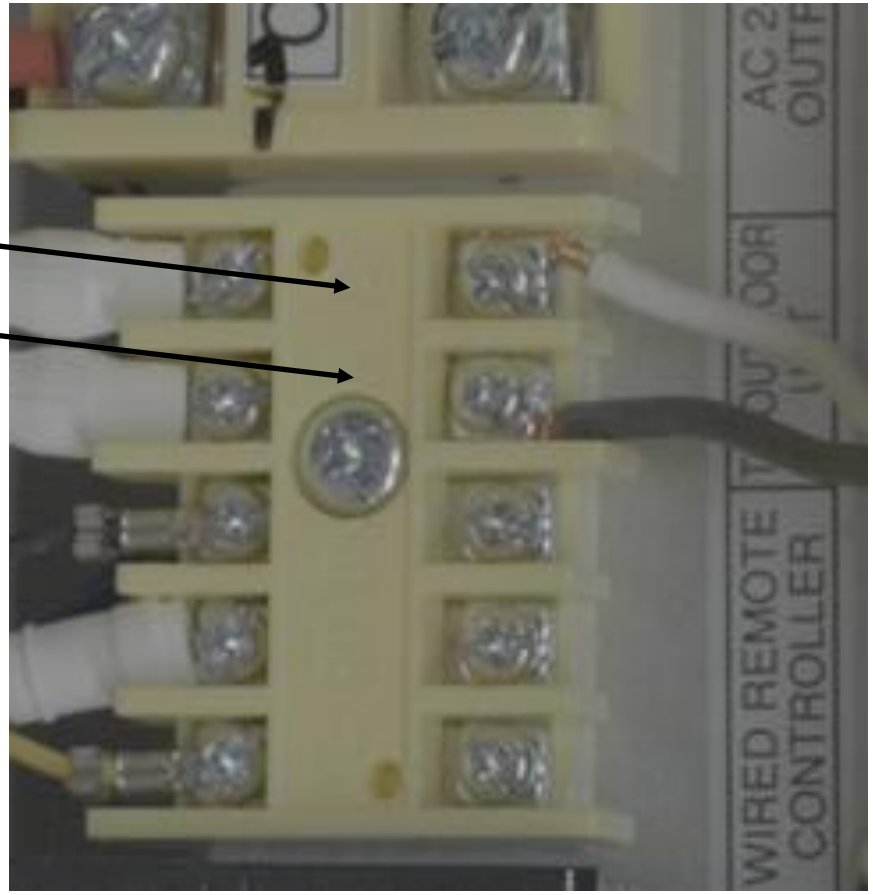
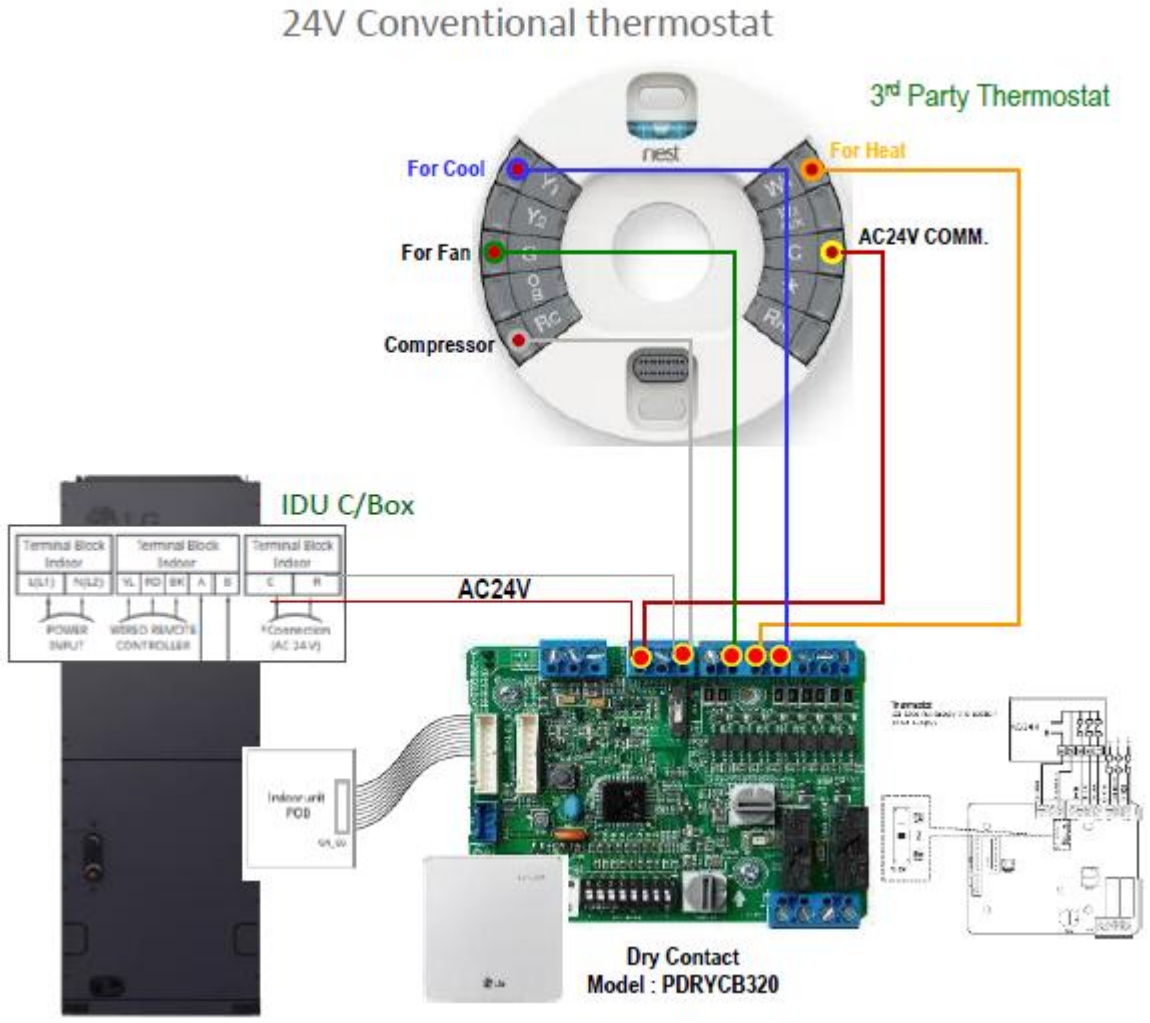
A



3rd PARTY THERMOSTATS

- If a non-LG thermostat is being used, a dry contact must be added.
- PDRYCB320

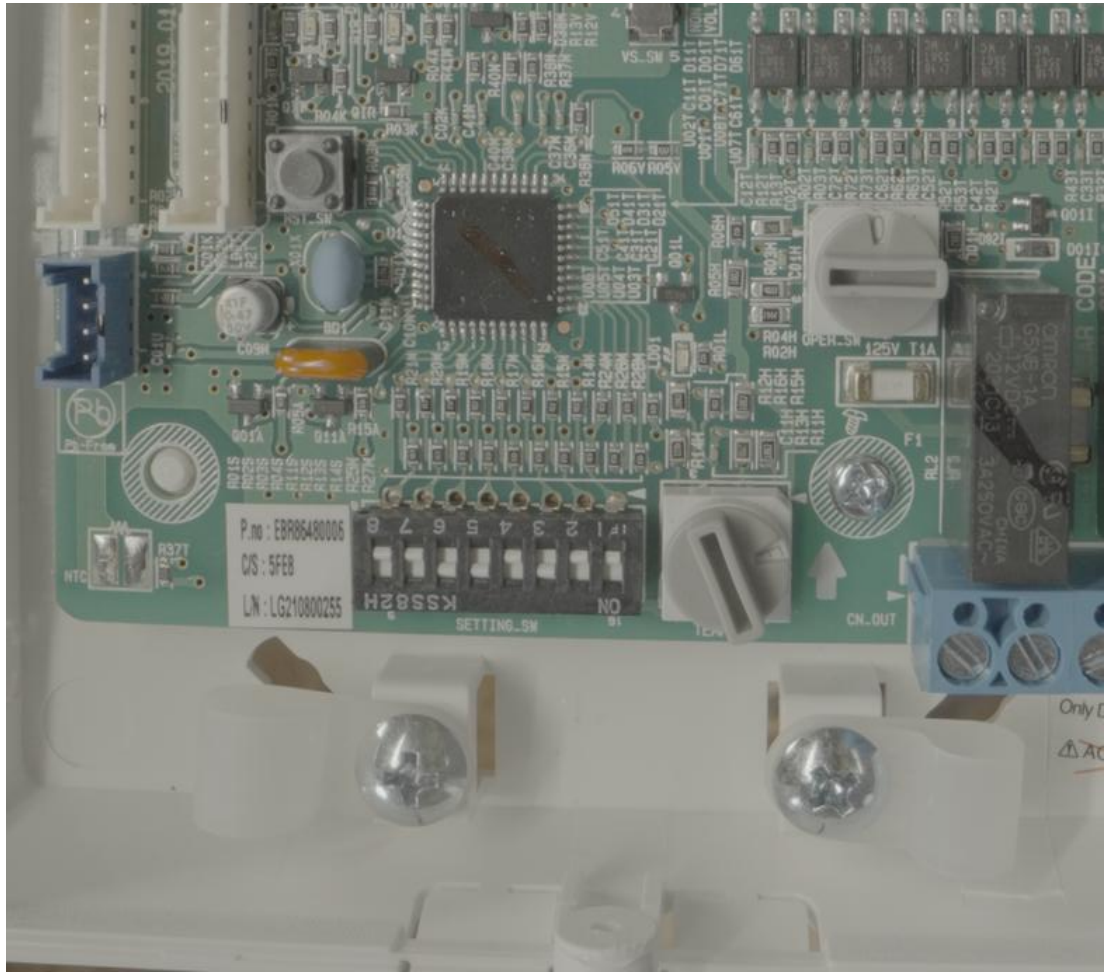
- Suggested Residential Settings:
  - Rotary Dial ‘F’ (one click counter-clockwise)



3rd PARTY THERMOSTATS

- If a non-LG thermostat is being used, a dry contact must be added.
- PDRYCB320

- Suggested Residential Settings:
  - Rotary Dial ‘F’ (one click counter-clockwise)
- All dip switches on the dry contact board should be in the off position.
- Your float switch should break RED going to the dry contact board.
- ON YOUR LG WALL CONTROLLER YOU MUST GO INTO INSTALLER SETTINGS THEN GO TO
- #41 CN_CC- SELECT DRY CONTACT AUTO INSTALLATION.



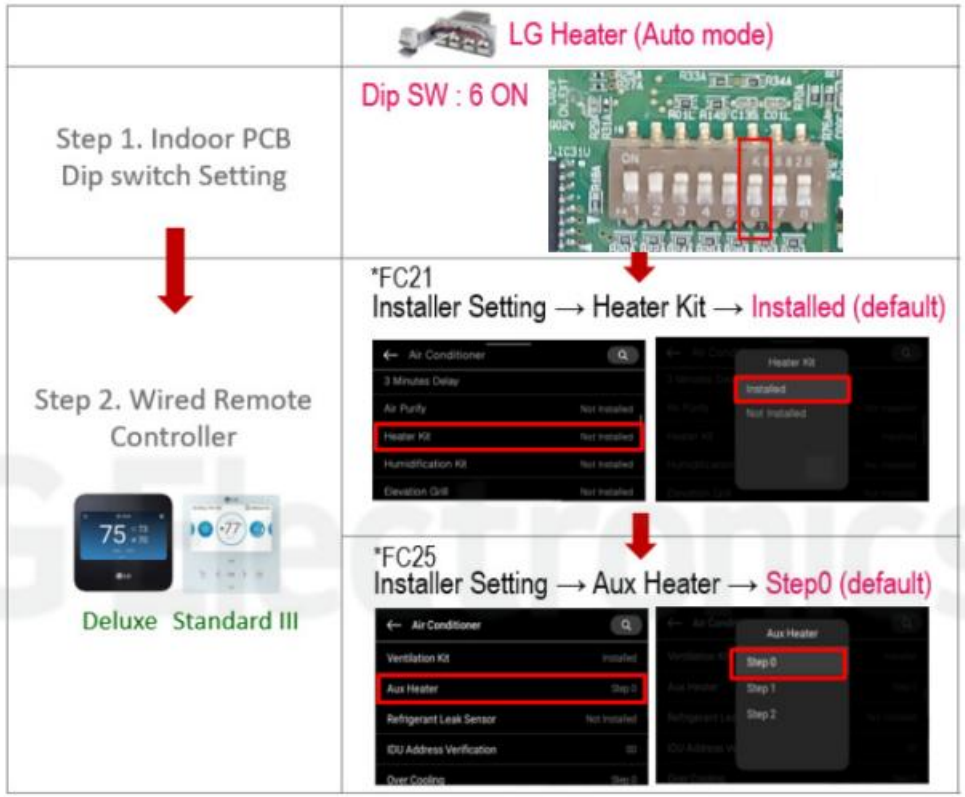
Only Settings

- #15 Overheating- select step 3 only.
- #21 Heater kit- select installed.
- #35 Fan speed in cooling thermal off- select Off.
- If you're using an LG wall controller and you have a FLOAT SWITCH, go to
- #52 CN-EXT- select Simple Operation On Off.

HEAT STRIP SETTINGS

			Single 1:1
Aux Heat Use Case	**Function Code**	Non-VAHU	VAHU Internal
Normal Heating Cycle[1]	FC-25	1 or 2	0[3]
	DIP SW 6	N/A	ON
Emergency Heating	FC-25	1 or 2	0
	FC-18	1	1
	DIP SW 6	N/A	ON
ODU Cooling Cycle[5]	FC-8	N/A	N/A
	FC-25	N/A	N/A
	FC-18	N/A	N/A
	DIP SW 6	N/A	N/A

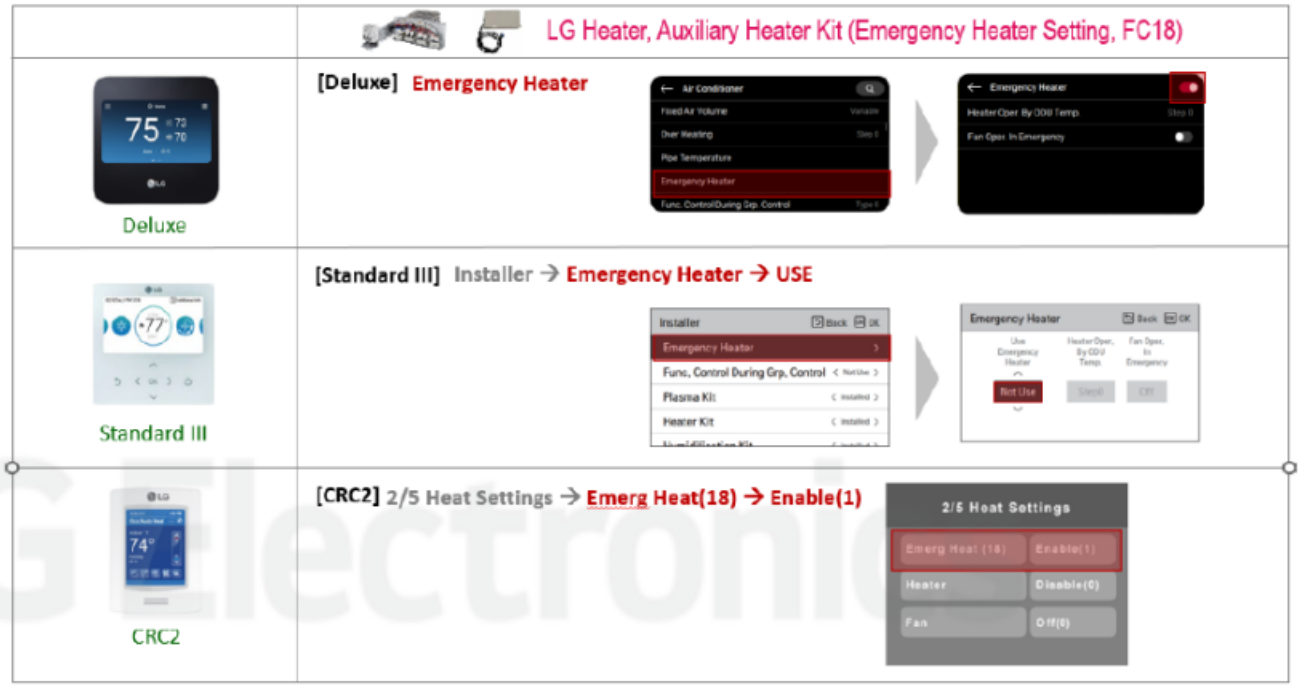
HEAT STRIP SETTINGS



Note: DIP Switch SW6

- ON : Auto mode
- OFF : Manual mode

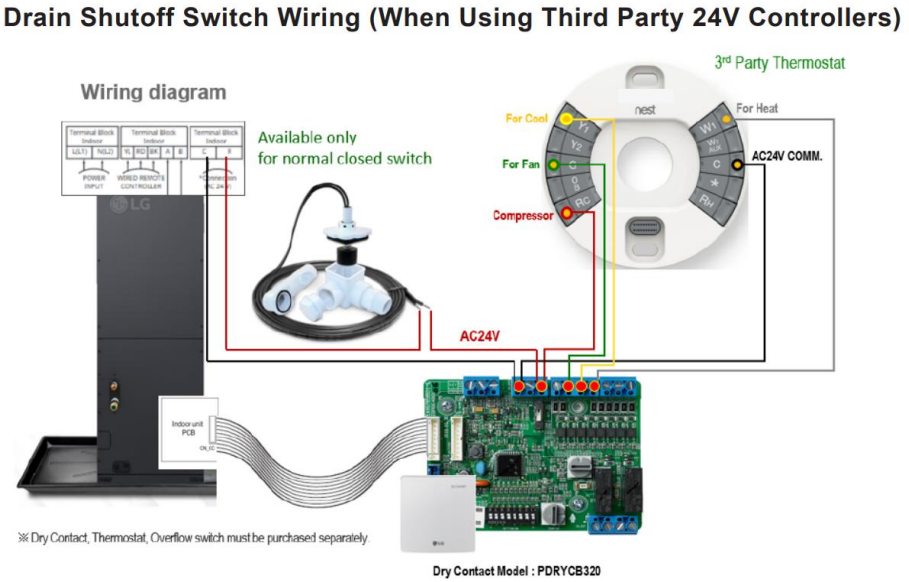
LG Controllers Emergency Heat Configuration



How to wire the float switch on the CV series ducted air handlers with PREMTC200 & PREMTBB11/PREMTB101

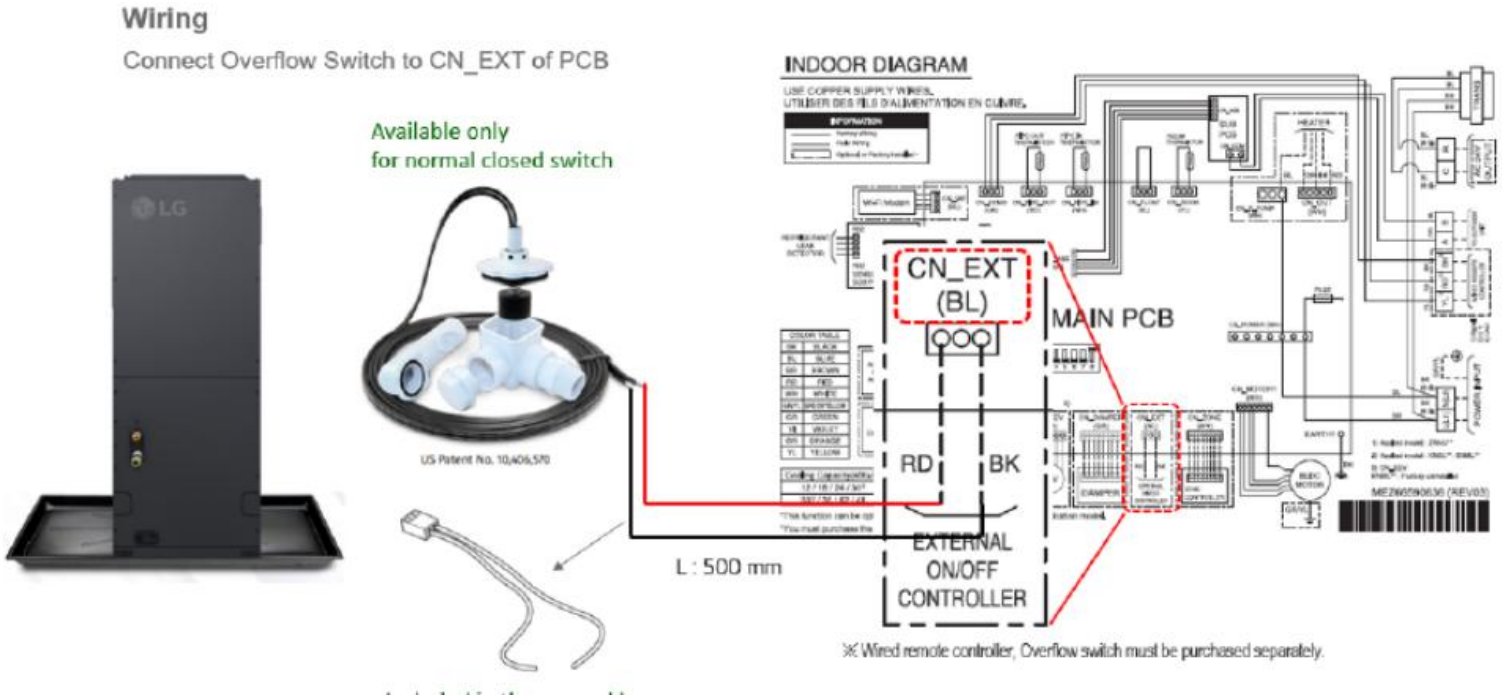
- Break the red 12V DC wire that runs from the thermostat to the yellow terminal block (labeled RD on the block).

Drain Shutt Off – When using 3rd party Controller



Drain Shutt Off – When using LG Controller PREMTA 201 ONLY

Note that the drain overflow switch is a third party accessory.

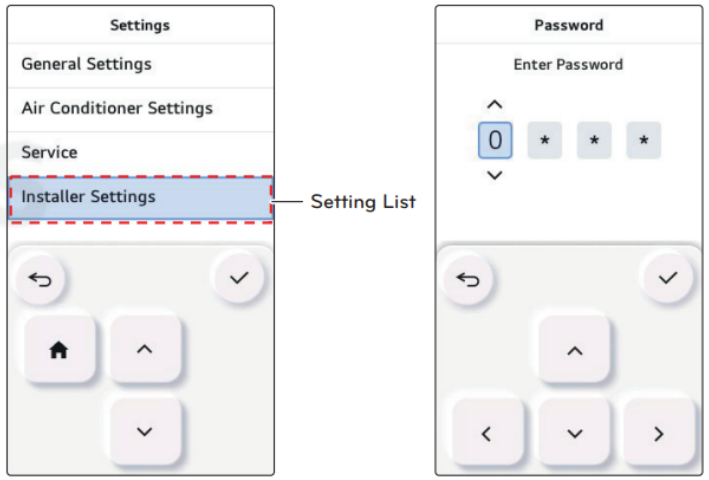


How to wire the float switch on the CV series ducted air handlers.

- Break the red 12V DC wire that runs from the thermostat to the yellow terminal block (labeled RD on the block).

Installers Setting – PREMTC200

• Select the list you want with the ∨ and ∧ buttons and then press the OK button to move to the screen for the selected list.



※ Installer setting password

Home ⟶ Menu ⟶ Settings ⟶ Service ⟶ RMC Version Information

Example) SW version : 1.00.1 a

In the above case, the password is 1001.

NOTE

Some categories of the installer setting menu may not be available depending on the product function or the menu name may be different.

Where to Read Indoor Temperature

Temperature Sensor (2TH) Setting

It is the function to select the temperature sensor to decide the indoor temperature.

- You can set the following setting values using [∧ / ∨] button.

Temperature sensor location		Description
Remote Controller (RMC)		Operate the system with wired remote controller's temperature sensor
Indoor Unit (IDU)		Operate the system with indoor unit's temperature sensor
2TH	Cool	Compare the temperatures of the indoor unit and the wired remote controller and operate with the higher temperature (There are system operated with lower temperature)
	Heat	Compare the temperatures of the indoor unit and the wired remote controller and operate with the lower temperature

- 2TH function's operation characteristics may be different for each product.

Over Heating

Over Heating

Provides an adjustable deadband around the heating setpoint through selectable heating thermal on/off values.

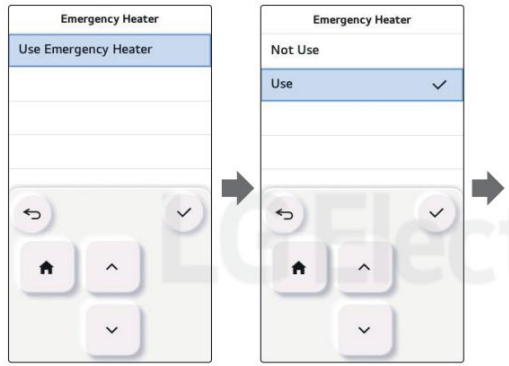
Value
Step0 : Default value
Step1 : 4 °C / 6 °C
Step2 : 2 °C / 4 °C
Step3 : -1 °C / 1 °C
Step4 : -0.5 °C / 0.5 °C

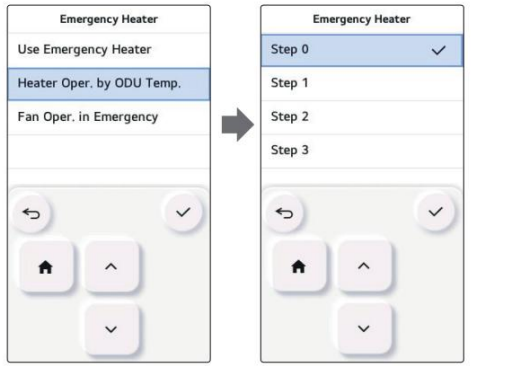
Emergency Heater Settings

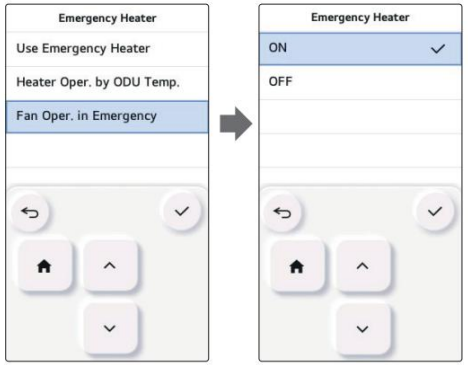
Emergency Heater Setting

Enable the emergency heater control function and the usage environment.

- In the installer setting list, select the emergency heater setting category, and press [OK] button to move to the detail screen.
  - In case of an error, it sets whether the emergency heater can be used / outdoor temperature standard heater operation usage setting and temperature step value setting / and during the emergency heater operation, whether to use the indoor unit fan operation.







Value	Outdoor temperature standard heater operation		Fan operation in emergency control
Not use	-		-
Use	Emergency heater	Step 0 ~ 3	On/Off
	Extended emergency heater	Step 0 ~ 15	

NOTE

This function setting must be carried out by a certified-technician.

If Heater is Installed

Always Remember to Switch on SW6 on AHU

External Device of Indoor Unit Setting

It is the function to set whether to mount option unit (Air purify / Humidification / Heater / Ventilation / Elevation grill / Aux Heater / Refrigerant leakage detection sensor) when it is additionally installed or removed after the mass production.

- You can set the following setting values using [∧ / ∨] button.

Function	Value
Air purify	Not installed / Installed
Heater	
Ventilation Kit	
Refrigerant leakage detection sensor	
Elevation Grill	
Humidification Kit	
Aux Heater	Step 0 : Not installed Step 1 : Installed (Non-Duct) Step 2 : Installed (Ducted)

Over Cooling

Over Cooling

Provides an adjustable deadband around the cooling setpoint through selectable cooling thermal on/off values.

Value
Step0 : 0.5°C / -0.5°C
Step1 : 6°C / 4°C
Step2 : 4°C / 2°C
Step3 : 1°C / -1°C

Thermal Off

Fan Speed in Cooling Thermal Off

Sets the indoor unit fan speed, in cooling mode, during thermal off condition.

• Select value using [∧ / ∨] button.

Value	
Low	Fan speed low
Off	Fan off
Setting	Fan speed setting value

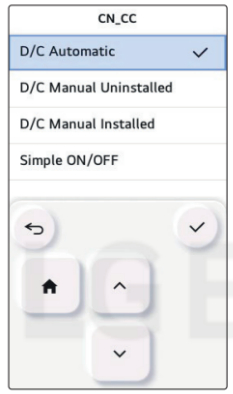
Dry Contact

(PDRYCB320 Smart Logic Board for 3rd party TStats)

CN_CC Setting

It is the function to set the usage of the indoor unit's CN_CC port.

• Select CN_CC setting category, and press [OK] button to move to the detail screen.



Value	Description
DC auto install (default)	When power is applied to the product, indoor unit when the contact point is on in Dry Contact installed state recognizes Dry Contact installation
DC manual not install	Do not use (Installed) Dry Contact
DC manual install	Use (Installed) Dry Contact
Simple ON/OFF	Use as Programmable DI/DO (Simple On/Off)

NOTE

CN_CC is the device connected to the indoor unit to recognize and control the external contact point.

Float Switch

CN_EXT Setting

It is the function to set to control the external input and output according to DI/DO set by the customer using the indoor unit's Dry Contact Port. (It is the function to decide the usage of the contact point port (CN_EXT) mounted in the indoor unit PCB.)

- In the installer setting list, select CN_EXT setting category, and press [OK] button to move to the detail screen.

Value	Description
Not use (default)	Use installer code No. 41 setting value (simple Dry Contact setting value)
Simple operation control	Simple operation On/Off
Simple Dry Contact	Dry Contact (Simple Contact)
Single emergency stop	Indoor unit single emergency stop
All emergency stop	Indoor unit all emergency stop ※ It can be set only when there is indoor unit emergency stop function.
Occupied / Unoccupied	Occupied / Unoccupied
Window Contact	Indoor unit operation = Off, Window contact has no effect Indoor unit operation = On, Window contact will control IDU operation based on window contact. Remote Controller Unlocked Window contact open = IDU operation Off, Window contact closed = IDU operation On.
Window Contact Lock	Indoor unit operation = Off, Window contact has no effect Indoor unit operation = On, Window contact will control IDU operation based on window contact. Remote Controller Locked Window contact open = IDU operation Off, Window contact closed = IDU operation On.
MPM	Individual power module interlock mode

When Heater is installed

CN_PTC Setting

This is a function to set PTC Port of indoor unit.

Setting value	Description
Normal	Auxiliary heating interlock deactivated
Special	Auxiliary heating interlock activated

This is the MENU for the installer settings. The settings highlighted below are the settings most commonly changed. Other functions not highlighted should be left alone unless advised otherwise.

Menu	Description
Test run setting	It is the function to set the trial operation at the initial product installation.
Central control address Setting	It is the function to set the central control address of the indoor unit during the central controller connection.
ESP setting	It is the function to set the wind amount value corresponding to each wind amount for easy installation.
Temperature sensor setting	It is the function to select the temperature sensor that will decide the indoor temperature.
Ceiling height setting	It is the function to control the wind amount stage according to the ceiling height for the ceiling type products.
Static pressure setting	The fixed pressure setting can be set only in the duct products. It cannot be set in other products.
RMC master/slave setting	It is the function to set group control or 2-remote controller control.
Override master/slave setting	The operation master / slave selection function is to avoid other mode operations, and it is the function to prevent the selection of the opposite mode of the indoor unit set as master by the indoor units set as slaves.
Dry contact mode setting	Dry contact function is the function that can be used only when the dry contact devices is separately purchased and installed.
Fixed air volume	It is the function to apply different fan speeds automatically for each thermal control status.
Zone Type Setting	It is possible to setup zone new type or old one of the product which is available to install the damper controller.
Zone Number Setting	Zone Number is to set the number of installed zones. It's possible to control only in zone new type.
Over Heating	Provides an adjustable deadband around the heating setpoint through selectable heating thermal on/off values.
Emergency Heater setting	It is the function to set whether to use emergency heater control function and the usage environment.
Func. control during grp. Control setting	It is the function to set common functions or some functions to be controlled by the master indoor unit standard during the group control.

Menu	Description
External devices of indoor unit setting	It is the function to set whether to mount option unit (Air purify / Humidification / Heater / Ventilation / Elevation grill / Aux Heater / Refrigerant leakage detection sensor) when it is additionally installed or removed after the mass production.
Expand of Temperature Range	This function is used for select setting temperature range option.
Indoor unit address verification	This function allows you to check the address of the indoor unit designated by the outdoor unit.
Static pressure step setting	This is the function that static pressure of the product is divided in 11 steps for setting.
Over Cooling	Provides an adjustable deadband around the cooling setpoint through selectable cooling thermal on/off values
Guard timer	It is a function that sets the minimum running time of outdoor unit cycle mode when switching from cooling mode to heating mode and vice versa during Auto Operation mode.
Fan speed in Cooling thermal off	It is a function that sets the indoor unit fan movement, in cooling mode, when thermal is off.
Primary heater setting	It is the function to set the heater usage to have higher priority over the outdoor unit cycle during the indoor unit heating operation.
Air conditioner Fan operation interlocked with ventilation setting	It is the function to set whether to operate the air conditioner fan during the interface operation of the air conditioner and the ventilation product.
Indoor unit Auto-Start setting	It is a function that sets whether to restore the indoor unit operation by resuming the previous power-on state or as power-off state in the power failure compensation.
Occupancy duration time setting	It is the function to set the occupied decision maintaining time among the occupied sensor values.
CN_CC setting	It is the function to set whether to install (use) Dry Contact. (It is not a function for Dry Contact installation, but it is a function to set the usage of the indoor unit's CN_CC port.)
CN_EXT setting	It is the function to set the indoor unit's Dry Contact Port to control external input and output according to DI/DO set by the customer. (It is the function to decide the usage of the contact point port (CN_EXT) mounted in the indoor unit PCB.)
ODU function master setting	It is the function to set the outdoor unit's function Master / Slave.
Fan continuous operation setting	It is the function to set the indoor unit's continued Fan function usage. It is the function to maximize the cooling/heating efficiency by the outdoor unit operating the indoor unit fan operation longer than the previous operation method.

Menu	Description
Low noise mode priority setting	It is the function to set the main agent of the low noise mode control. (It is the function to set only one of the outdoor unit / remote controller can control the low noise operation.)
Human detection sensor setting	It is the function to set whether to install human detection sensor and operation standard value.
Humidity sensing position	It is the function to set the location to detect humidity.
ODU cycle priority	This function can select standby mode or priority cooling.
Outdoor temp. for heating stages	This function can select outdoor temperature values for use reference point of heater and heating mode operation.
Estimated energy display	This function can set to display energy data which ODU estimated.
CN_PTC setting	This is a function to set PTC Port of indoor unit.
Password initialization	It is the function to initialize (0000) the password when you forgot the password set in the remote controller.
Auto ESP	This function automatically sets the rotation speed of the fans corresponding to each step of rated airflow for easy installation.
Dust step color setting	This function is to set the dust step color.
UVnano / Filter Box	It is the function to set whether to mount option unit (UVNano/Filter box) when it is additionally installed or removed after the mass production
Fan Operation During Auxiliary Heater Only	This is a function to set the indoor unit fan to be used even when the Auxiliary heater is operating alone.
Server Room	This is a function to set alternating and backup operation to keep the temperature of the server room stable.
Noise Target Control	The Noise Target Control function is a function that limits the noise caused by the outdoor unit running.

Installers Setting – PREMTBB11 & PREMTB101

PREMTB101 THERMOSTAT

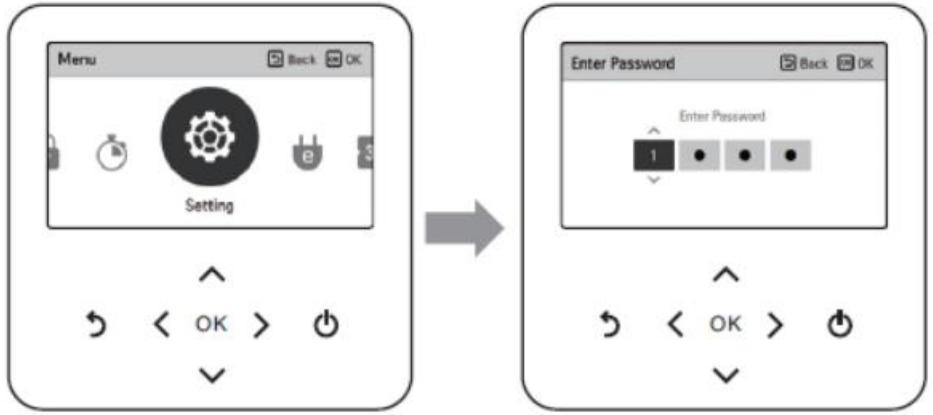
INSTALLER SETTING

How to enter installer setting

CAUTION

The installer setting mode is the mode to set the remote controller's detail function. If the installer setting mode is incorrectly set, it may cause product failure, user's injury, or property damage. It must be set by the installation specialist with the installation license, and if it is installed or changed without installation license, all problems caused will be the responsibility of the installer, and may void the LG warranty.

- In the menu screen, press [<,>(left/right)] button to select the setting category, and press [∧(up)] button for 3 seconds to enter the password input screen for the installer setting.
- Input the password and press [OK] button to move to the installer setting list.



※ Installer setting password

Main screen → menu → setting → service → RMC version information → SW Version

Example) SW version : 1.00.1 a

In the above case, the password is 1001.

NOTE

Some categories of the installer setting menu may not be available depending on the product function or the menu name may be different.

Where to Read Indoor Temperature

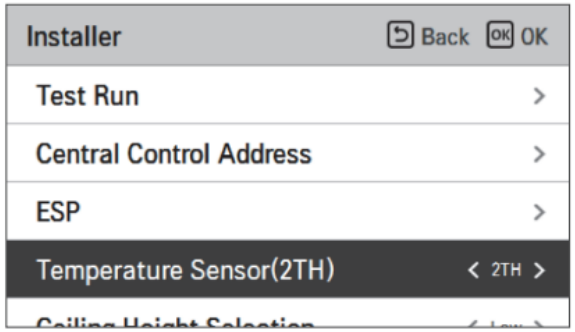
This is the function to select the temperature sensor to decide the indoor temperature.

Always set the control to the RMC, unless the thermostat is located somewhere besides the space being controlled and you want to use the return sensor to control. In stat scenario you will want the fan to run continuous

Temperature sensor(2TH) setting (air conditioner / DX ventilator)

It is the function to select the temperature sensor to decide the indoor temperature.

• You can set the following setting values using [<,>(left/right)] button.



Temperature sensor location		Description
Remote controller		Operate the system with wired remote controller's temperature sensor
Indoor Unit		Operate the system with indoor unit's temperature sensor
2TH	Cool	Compare the temperatures of the indoor unit and the wired remote controller and operate with the higher temperature (There are system operated with lower temperature)
	Heat	Compare the temperatures of the indoor unit and the wired remote controller and operate with the lower temperature

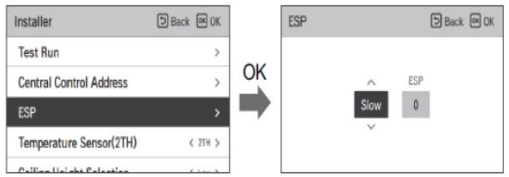
• 2TH function's operation characteristics may be different for each product.

ESP. It is the function to set the fan speed value corresponding to each fan speed based on the external static pressure setting value and air flow tables.

Fan speeds are set by the manufacturers, but if you need to adjust this you will have to look at the duct system condition and static pressure before manual setting the speeds. You can look up the installation manual for more information.

ESP setting (air conditioner / general, DX ventilator)

It is the function to set the fan speed value corresponding to each fan speed for easy installation.



NOTE

If ESP is incorrectly set, the air conditioner may malfunction.
This function must be set by the installation specialist that holds an installation license.
For ventilation products, separate ESP values are used for the supply and exhaust fans.

• In the installer setting list, select the ESP setting category, and press [OK] button to move to the detail screen.

Product	ESP fan speed	value
Air conditioner	Slow	0 ~ 255
	Low	
	Med	
	High	
	Power	
Ventilation	Low	
	High	
	Power	

NOTE

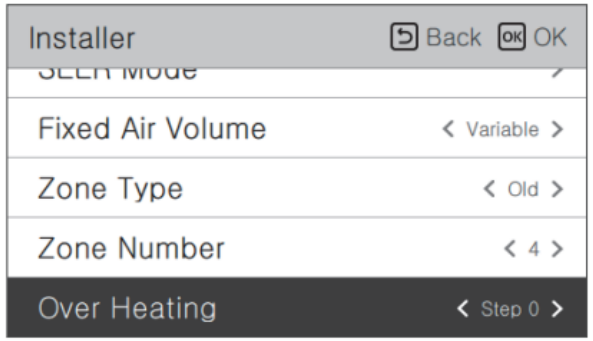
Be especially careful not to switch ESP values corresponding to each fan speed.
Engineering manuals have ESP setting tables that reference air flow and corresponding value setting to achieve the flow.
The ESP values that can be set may be different for each product and capacity.

Over Heating

Provides an adjustable deadband around the heating setpoint through selectable heating thermal on/off values. Please set it to Step 3 on the thermostat.

Over Heating (air conditioner)

Provides an adjustable deadband around the heating setpoint through selectable heating thermal on/off values.



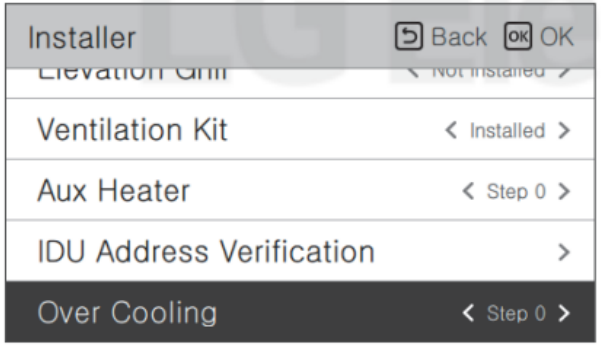
Value
Step0 : Default value
Step1 : 4°C / 6°C
Step2 : 2°C / 4°C
Step3 : -1°C / 1°C
Step4 : -0.5°C / 0.5°C

Over Cooling Settings

Provides an adjustable deadband around the cooling setpoint through selectable heating thermal on/off values. Default value is Step 0 but make sure it is at Step 0.

Over Cooling (air conditioner)

Provides an adjustable deadband around the cooling setpoint through selectable cooling thermal on/off values.



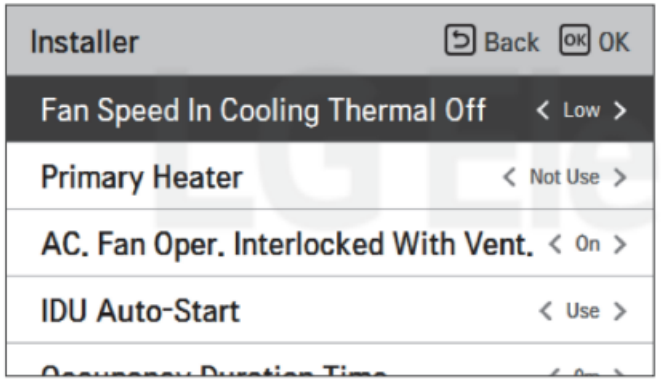
Value
Step0 : 0.5°C / -0.5°C
Step1 : 6°C / 4°C
Step2 : 4°C / 2°C
Step3 : 1°C / -1°C

Thermal Off

Fan speed in Cooling thermal off (air conditioner)

Indoor unit fan, in cooling mode, during thermal off condition.

- Select value using [<,>(left/right)] button.

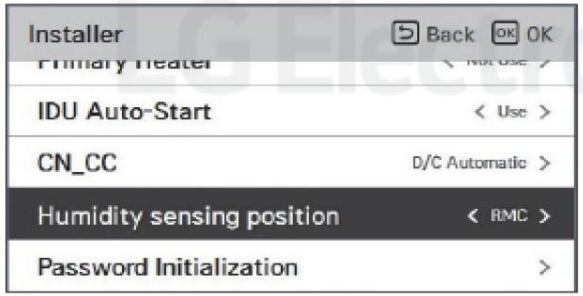


Value	
Low	Fan speed low
Off	Fan off
Setting	fan speed setting value

Humidity sensing position (air conditioner)
It is the Function to set the location to detect humidity. RMC (default value)

Humidity sensing position (air conditioner)

It is the function to set the location to detect humidity.
You can use [<, > (left/right)] button to set the following setting values.



Value	Description
Remote controller (default value)	Humidity sensor of the remote controller itself
Indoor unit	Humidity received from indoor unit

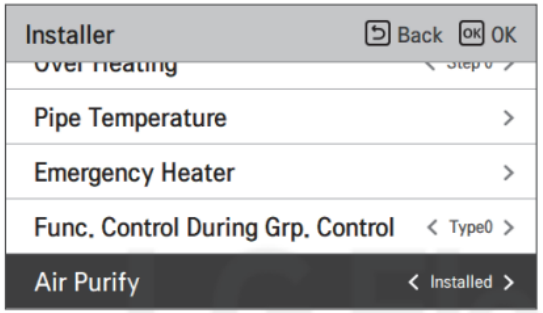
If Heater is Installed

Always Remember to Switch on SW6 on AHU

External devices of indoor unit setting (air conditioner)

At the Code field, select when air cleaner/heater/humidifier/elevation grill/ventilation KIT/Aux Heater/refrigerant leakage detection sensor are newly installed to the indoor unit or when an installed KIT is removed.

- You can set the following setting values using [<,>(left/right)] button.



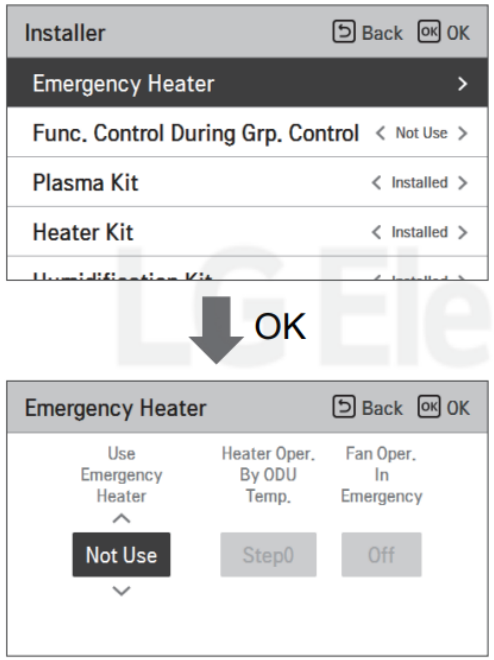
Function	Value
Air purify	Not install / Install
Heater	
Humidifier	
Elevation grill	
Ventilation Kit	
Aux Heater	
Refrigerant leakage detection sensor	

Emergency Heater Settings

Emergency heater setting (air conditioner)

Enable the emergency heater control function and the usage environment.

- In the installer setting list, select the emergency heater setting category, and press [OK] button to move to the detail screen.
  - In case of an error, it sets whether the emergency heater can be used / outdoor temperature standard heater operation usage setting and temperature step value setting / and during the emergency heater operation, whether to use the indoor unit fan operation.



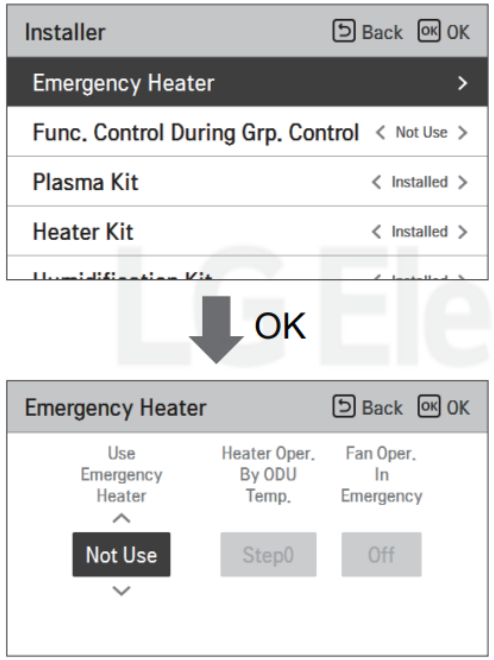
Value	Outdoor temperature standard heater operation		Fan operation in emergency control
Not use	-		-
Use	Emergency heater	Step 0 ~ 3	On/Off
	Extended emergency heater	Step 0 ~ 15	

Emergency Heater Settings

Emergency heater setting (air conditioner)

Enable the emergency heater control function and the usage environment.

- In the installer setting list, select the emergency heater setting category, and press [OK] button to move to the detail screen.
  - In case of an error, it sets whether the emergency heater can be used / outdoor temperature standard heater operation usage setting and temperature step value setting / and during the emergency heater operation, whether to use the indoor unit fan operation.



Value	Outdoor temperature standard heater operation		Fan operation in emergency control
Not use	-		-
Use	Emergency heater	Step 0 ~ 3	On/Off
	Extended emergency heater	Step 0 ~ 15	

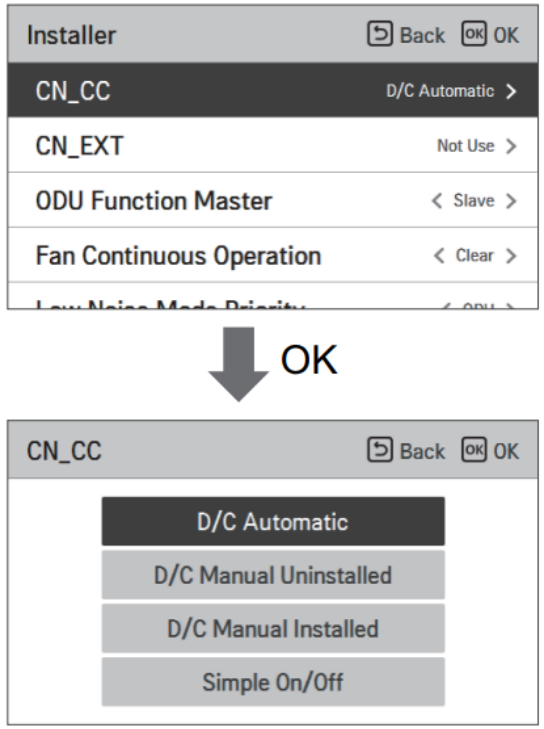
Dry Contact (If a 3rd party Tstat is in use)

(PDRYCB320 Smart Logic Board for 3rd party TSats)

CN_CC setting (air conditioner)

It is the function to set the usage of the indoor unit's CN_CC port.

• Select CN_CC setting category, and press [OK] button to move to the detail screen.



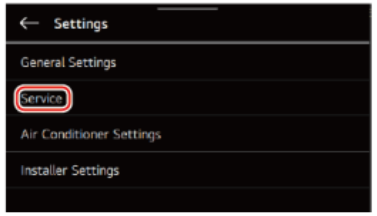
Value	Description
DC auto install (default)	When power is applied to the product, indoor unit when the contact point is on in Dry Contact installed state recognizes Dry Contact installation
DC manual not install	Do not use (install) Dry Contact
DC manual install	Use (install) Dry Contact
Programmable DI/DO	Use as Programmable DI/DO (Simple On/Off)

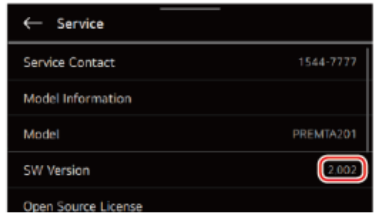
Installers Setting – PREMTA201

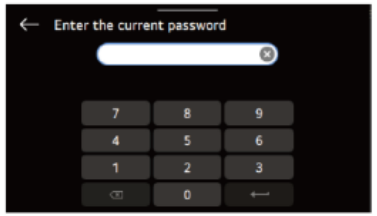
PREMTA201 WIFI THERMOSTAT

INSTALLER SETTINGS

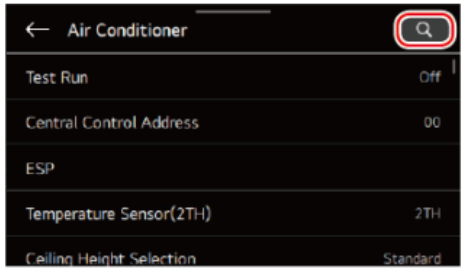
Select the installer settings in the settings menu.
Various settings can be made during the installation step before using air conditioner/ventilation products.
Please enter the password.
* How to know the password
Check the software version in the service settings menu.
If SW version is 2.000, password is 2000.

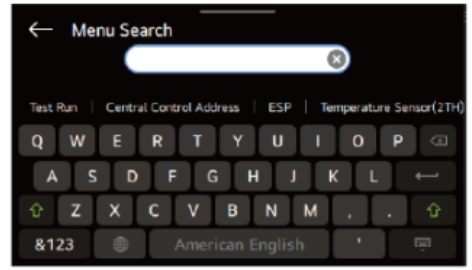






Tap the Magnifier icon in the upper right corner, making it easy to find what you want.
- Auto-complete items are displayed based on the characters you enter.
- You can also search by the code number of installer setting.





Installers Setting – PREMTA201

This is the MENU for the installer settings. The settings highlighted below are the settings most commonly changed. Other functions not highlighted should be left alone unless advised otherwise.

Air Conditioner/Ventilation Installer Settings

Function	Product		Description	Option
	Air Conditioner	Ventilation		
Test Run	○	○	A function to set the test-running when initially installing the product.	-
Central Control Address	○	○	A function to set the central control address of the indoor unit when connecting the central controller.	00 ~ FF
ESP	○		A function for setting the air volume value corresponding to each air volume and to facilitate installation.	Set the RPM value for each fan speed.
Temperature Sensor (2TH)	○	○	A function to select the temperature sensor for determining the room temperature.	Remote control/Indoor unit/2TH
Ceiling Height Selection	○		A function to control the stage of air volume in accordance with the height of the ceiling in a ceiling-type product.	Low/Standard/High/Very high
Static Pressure	○		This function changes the fan speed in the indoor FAN according to the opening and closing quantity of Damper. It is available only in a duct product.	V-H: Indoor fan speed change, High pressure F-H: Fixed with set fan speed, High pressure V-L: Indoor fan speed change, Low pressure F-L: Fixed with the set fan speed, Low pressure
Override Master/Slave	○	○	A function to prevent another mode operation. In the function, the products set to 'Slave' prevent the selection of the opposite mode of the operation mode of the indoor unit which is set to 'Master.'	Master/Slave
Dry Contact Mode	○	○	A function which is available only when the dry contact apparatus is separately purchased/installed.	Manual/Auto
3 Minutes Delay	○	○	Temporarily cancel the 3 min. delay function of the outdoor compressor. ※Caution: Do not randomly set it since it is a function used for producing the products.	-
SEER Mode	○		Measures the driving ability of the duct product.	ON/OFF

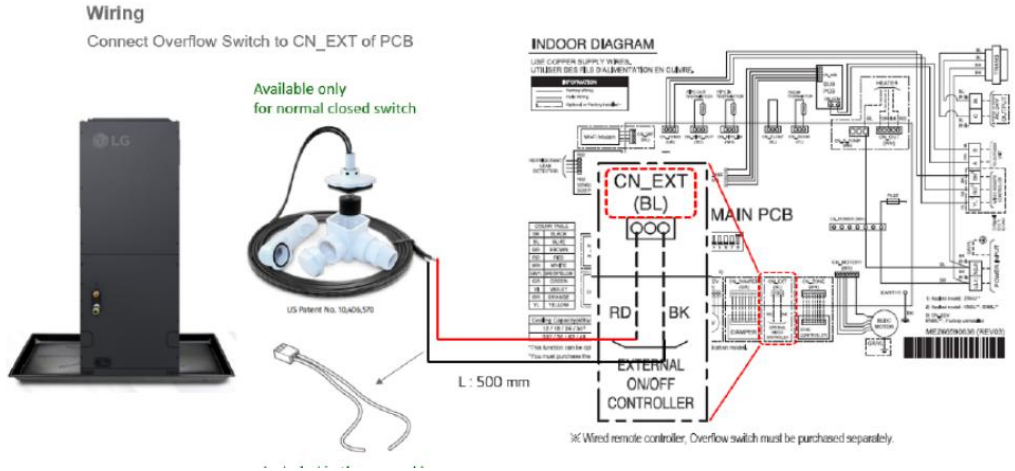
Function	Product		Description	Option		
	Air Con-ditioner	Ventila-tion				
Fixed Air Volume	○	○	A function to set the air volume mode of the indoor unit to be variable/fixed.	Variable: When the Comp is ON, it operates in the set fan speed. Operate to low fan speed at COMP OFF. Fixed: When the Comp is ON, it operates in the set fan speed. Operate to set fan speed at COMP OFF.		
Zone Type	○		A function to set the zone type supported by the indoor unit such as the "new" and the "old" types.	Old: You can check only the operation status of the relevant zone by using the wired remote control. New of 8 Zone: You can control and monitor the zones by using the wired remote control.		
Zone Number	○	○	A function to set the number of zones. It is available only when the zone type is "New."	2 ~ 8		
Over Heating	○	○	Control the heating thermal ON/OFF temperature conditions. ※Caution: If you incorrectly set it, it may cause overheating or weak heating.		Thermal On	Thermal Off
				Step 0	Operates in accordance with the product set value	
				Step 1	4 °C (8 °F)	6 °C (12 °F)
				Step 2	2 °C (4 °F)	4 °C (8 °F)
				Step 3	-1 °C (-2 °F)	1 °C (2 °F)
				Step 4	-0.5 °C (-1 °F)	0.5 °C (1 °F)
Pipe Temperature	○	○	You can check the temperature of the pipe connected to the product.	-		
Emergency Heater	○		A function to determine whether to use the emergency heater control function and set the usage environment.	Enabled/Disabled		

Function	Product		Description	Option		
	Air Con-ditioner	Ventila-tion				
Over Cooling	○	○	Control the cooling thermal ON/OFF temperature conditions. ※Caution: If you incorrectly set it, it may cause overheating or weak heating.		Thermal On	Thermal Off
				Step 0	Operates in accordance with the product set value	
				Step 1	6 °C (12 °F)	4 °C (8 °F)
				Step 2	4 °C (8 °F)	2 °C (4 °F)
				Step 3	1 °C (2 °F)	-1 °C (-2 °F)
Static Pressure Step	○		This function allows you to set the static pressure of the duct product by subdividing it into 11 steps.	Stage 0-Stage 11 • If the static pressure stage settings are used, the static pressure settings are not used. • Please refer to the indoor unit product manual for the static pressure value for each stage.		
Guard Timer	○		Set the outdoor unit cycle conversion operation standby time, and set the outdoor unit protection time for cycle conversion.	Stage 0: 0 min./Stage 1: 15 min./ Stage 2: 30 min./Stage 3: 45 min./ Stage 4: 60 min.		
Fan Speed In Cooling Thermal Off	○	○	A function to set the operation of the indoor unit fan during the cooling thermal OFF operation.	Low/Off/Setting		
Primary Heater	○		A function to set the control to be conducted with priority on the heater usage than the outdoor unit cycle in case of operation of the indoor unit heating.	ON/OFF		
AC. Fan Oper. Interlocked With Vent.	○		When the air conditioner and the ventilation product are interlocked for operation, the function sets whether to operate the fan of the air conditioner.	ON/OFF		
IDU Auto-Start	○	○	In the event of a power outage, you can set whether to recover the product to its previous operating state.	Enabled: Reset to the previous operation status. Disabled: Reset to the operation OFF status.		
Occupancy Duration Time	○		A function to set the absence determination maintenance time among the in-room sensor values.	0/10/30/60 min.		

Function	Product		Description	Option
	Air Con-ditioner	Ventila-tion		
CN_CC	○		A function to set whether to install (use) the Dry contact. (It is not a func-tion for installing the dry contact but for setting the usage of the CN_CC port of the indoor unit.)	• Dry contact auto installation: When the power is applied to the product, and when the contact is ON with the dry contact installed, the indoor unit product recognizes the dry contact installation. • Dry contact manual non-installation: Not use (install) the dry contact. • Dry contact manual installation: Use (install) the dry contact. • Simple ON/OFF: Use the Programmable DI/DO (Simple On/Off) usage.
CN_EXT	○	○	A function to set to control the external input and output in accordance with the DI/DO set by the customer by using the dry contact port of the indoor unit. (A function to determine the usage of the contact port (CN_EXT) mounted on the indoor unit PCB.)	• Not Use: Use the simple dry contact set value. • Simple Operation: Simple operation ON/OFF • Simple Dry Contact: Dry contact (simple contact) • Single Emergency Stop: Indoor unit single emergency stop • Occu./Unoccu.: In-room/Absence • All Emergency Stop: All indoor units' emergency stop ※ It can be set only when the indoor units have the emergency stop function. • Window Contact: In case of window contact, the indoor unit operation is processed. ※ It can be set only when the indoor units have the window contact function. • Window Contact Lock: When the window contact is locked, the indoor unit operation is processed. ※ It can be set only when the indoor units have the window contact lock function. • MPM: Individual power module interlock mode
ODU Function Master	○	○	A function to set the function Master/ Slave of the outdoor unit.	Master/Slave
Fan Continuous Operation	○		A function to set the fan non-stop func-tion usage of indoor unit. (A function to operate the fan of the indoor unit for longer than the conventional operation method in the outdoor unit for maxi-mizing the cooling/heating efficiency.)	ON/OFF

Over Float Switch with PREMTA201

Note that the drain overflow switch is a third party accessory.

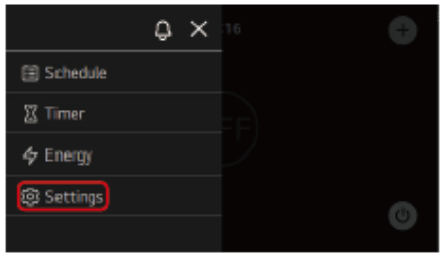


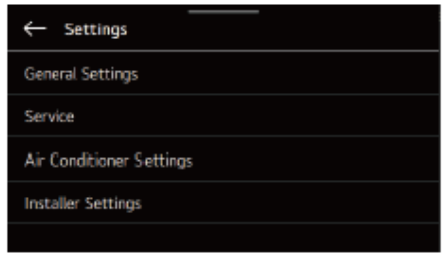
From the setting menu you can turn on/off the humidity display (contractor preference)

SETTINGS

Select Settings in the menu.

You can set the general settings, air conditioner/ventilation settings, service settings, and installer settings for the con tion of the usage environment.





General Settings

Function	Description	Note & Option		
		Screen Saver Timer	LCD Brightness In Idle	Content
Screen Saver	A function to adjust the screen off time of the remote control and the standby screen brightness.	Off 15 s 30 s 1 min	Off 25 % 50 % 75 % 100 % Auto	Current status date & time weather
		• If the Standby Screen Brightness is used at 100%, the LCD life may be reduced. • The 'Auto' of the Standby Screen Brightness is activated only in the indoor unit with a human detection sensor kit. • When it is set to be 'Auto,' the wired remote control standby screen brightness is controlled in accordance with the intensity of illumination detected by the human detection sensor. • The content set value 'Weather' requires connection to the ThinQ app.		
System Re-boot	A function to set the date and time displayed on the remote control.	-		
Lock	A function to lock the buttons of the remote control for preventing children or any other person from using the remote control in an improper manner.	All lock/Operation lock/Mode lock/Fan speed lock/ Temperature lock/Desired temperature range lock		
System restart	A function to restart the remote control.	-		
Humidity Display	The function to decide whether to display humidity on the main screen and the standby screen.	ON/OFF • When it is set to 'ON,' the humidity value varies according to the humidity sensing position settings (installer settings). 1) Remote control: Displays the humidity that remote control sensed. 2) Indoor unit : Displays the humidity that indoor unit sensed. However, if no information is received, humidity is not displayed.		
Display Opposite Mode	A function to set whether to display the status where the operation mode selection is unavailable in accordance with the outdoor unit operation when the cooling/heating mode is selected in a product which does not support the cooling/heating operation at the same time.	ON/OFF		
Password	A function to set a password for preventing children or any other person from randomly changing the remote control settings.	-		

Set up the WI-FI pairing.

Function	Product		Description	Option
	Air Conditioner	Ventilation		
Filter Sign	O	O	You can check the filter status and reset the filter usage time. If you plan to reset the default value after the filter's auto-inspect status is displayed, it's best to clean the filter before resetting.	• The remaining time to clean the filter is for reference, and the actual filter status may vary depending on the installation environment and usage conditions. • When dust is put on the filter, the cooling/heating capacity is lowered with a high electricity charge, so please clean the filter when the time comes. • Setting the auto-inspect filter function saves the filter's initial status. The auto-inspect filter function runs every 720 hours to check if the filter is clogged and displays the results.
Wi-Fi pairing	O	O	A function to run the pairing function of the Wi-FI module connected to the indoor unit. In case of the old ventilation product, the function may not be displayed.	-
Change Temperature	O	O	The conversion temperature is a function to set a temperature by which cooling and heating operation is automatically converted according to a temperature.	1~7 °C (2~14 °F)
Zone Name	O		The name of each Zone to be used for zone control can be determined by directly typing it according to the user's style.	-
Comfort Cooling	O	O	A function to set the outdoor unit comfort power-saving operation stage value.	Step 1/Step 2/Step 3
ODU Refrigerant Noise Reduction	O	O	A function to set the refrigerant noise reducing function of the outdoor unit.	• This function is available only if the outdoor unit Master / Slave setting of the installer settings is Master.
Defrost Mode	O	O	A function to set the defrosting mode operation of the outdoor unit.	
Smart Load Control	O	O	A function to set the active power-saving stage value of the outdoor unit. (Active power-saving is a function to operate by calculating the required performance from the air temperature and humidity in the indoors and the outdoors.)	