

FCU

(Fan Coil Unit)



**Mini
4 Way
Cassette**



**Dual Vane
4 Way
Cassette**



**Low Static
Ceiling
Concealed Duct**



**Middle Static
Ceiling
Concealed Duct**



2024-2025

Air Solution Engineering R&D Team

Contents

FCU Line up

4Way Cassette

Low/ Mid Static Duct

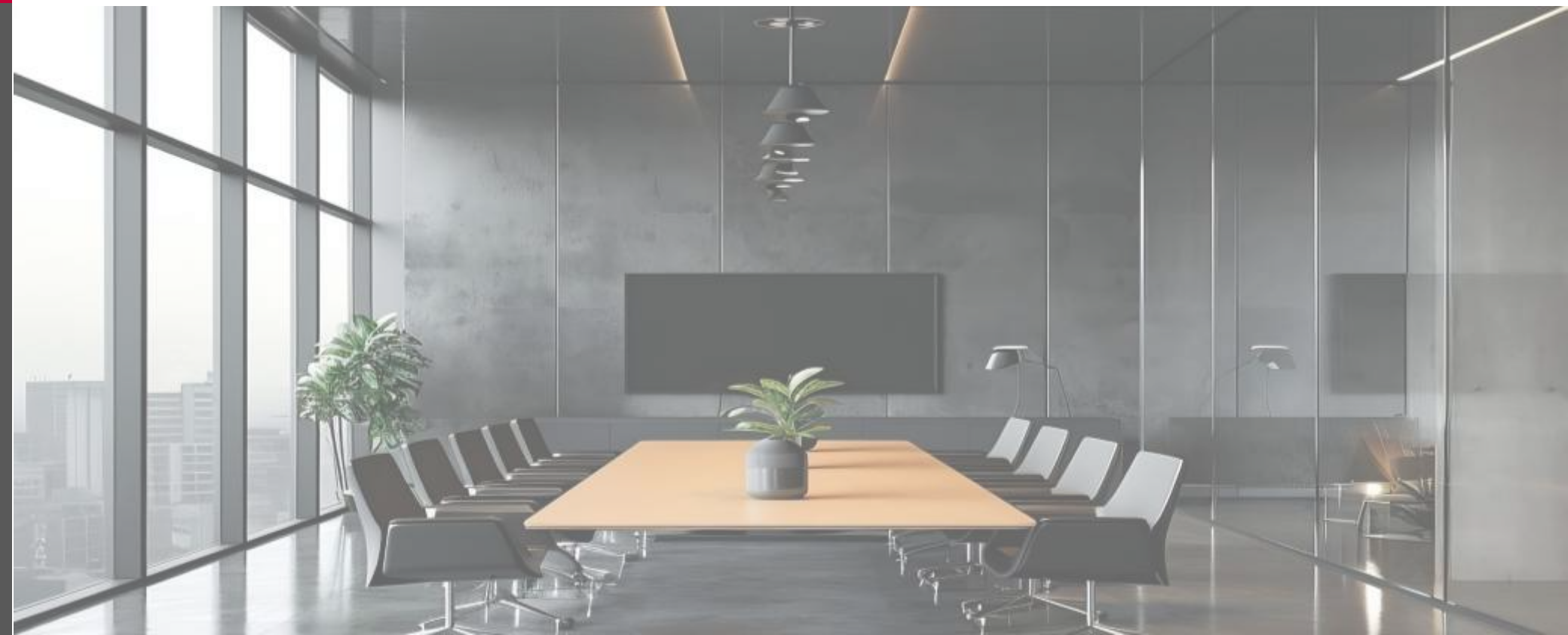
Individual Controller

Central Controller

Central Control/ Intergrated Solution





Appendix

FCU Line up



Line-up of FCU

With wide capacities line-up(5~44 CMM), FCU can be apply to a more diverse kinds of place.

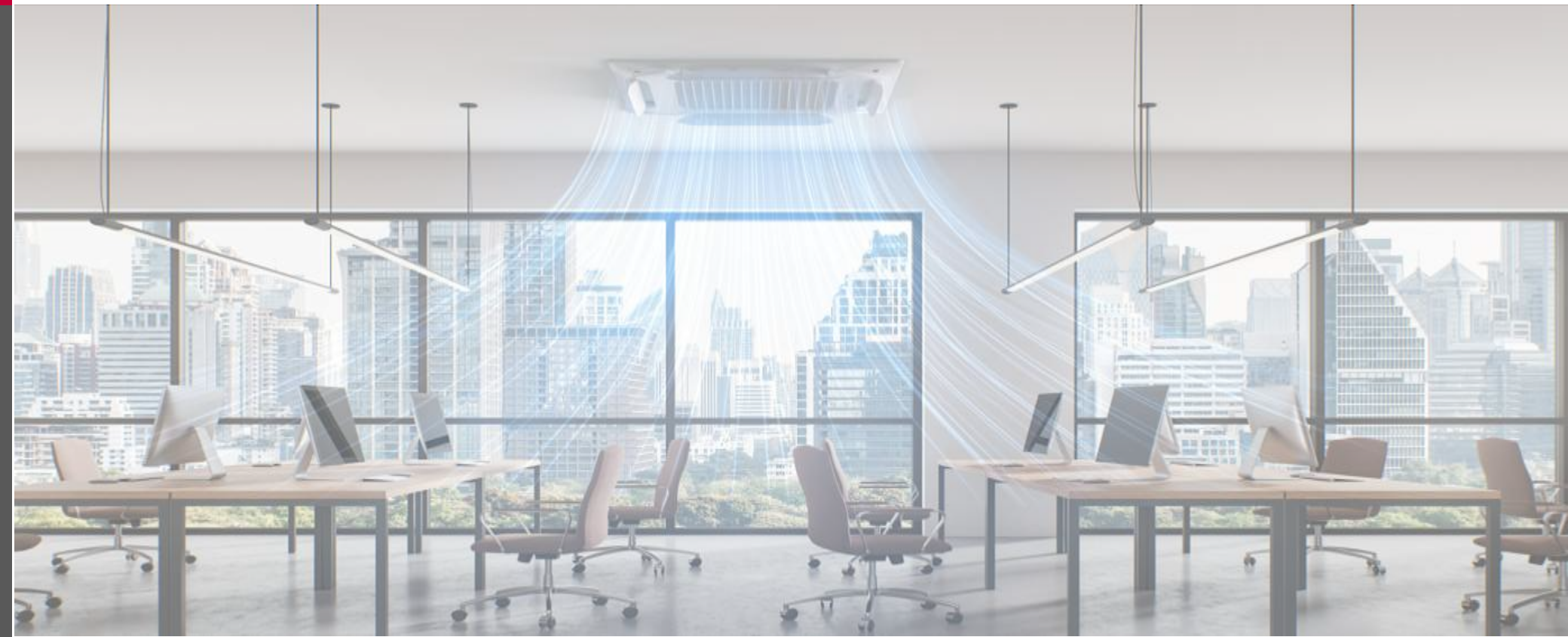
Air Flow Rate(CMM)		5	6	7	8	9	12	13	17	18	20	21	22	25	30	33	34	39	41	44	
4 Way Cassette 	Line-up		●	●		●	●														
	Capacity	kW	1.8	2.7		3.2	4.1														
		kBtu/h	6	9		10	14														
	Chassis		TR	TR		TR	TQ														
Dual Vane 4Way Cassette 	Line-up								●		●	●	●				●				
	Capacity	kW							6.0		7.2	9.0	10.5				13.0				
		kBtu/h							20.4		24.5	30.7	35.8				44.0				
	Chassis								TP-B		TP-B	TM-A	TM-A			TM-A					
Low Static Ceiling Concealed Duct 	Line-up	●	●	●	●	●		●		●											
	Capacity	kW	1.2	1.8	2.5	3.2	3.9		5.5		6.6										
		kBtu/h	5	6	9	11	13		19		23										
	Chassis	L1	L1	L2	L2	L3		L3		L3											
Middle Static Ceiling Concealed Duct 	Line-up								●		●			●	●		●	●		●	
	Capacity	kW							5.6		6.6			9.0	10.0		10.9	12.7		14.0	
		kBtu/h							19		23			31	34		37	43		48	
	Chassis								M1		M1			M2	M2		M3	M3		M3	

※ All lineups are for 2 pipes type only. 2 Way valve are not included

* Based on Cooling Capacity. Cooling Capacity testing condition : Inlet/Outlet Water Temperature 7°C / 12°C, Indoor Air Temperature 27°CDB / 19°CWB

4 Way Cassette

“Just-like MULTI V(VRF) level of Experience”

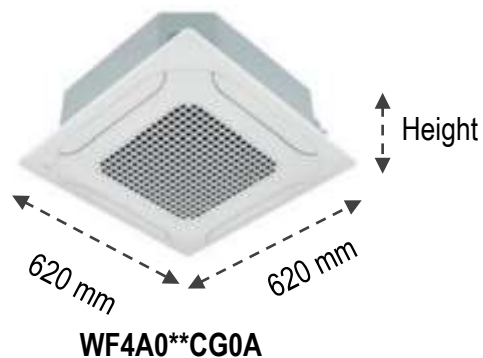


Compact Design & Size

4 Way Cassette

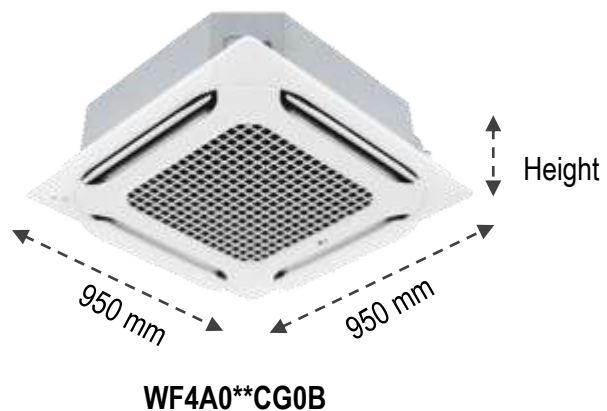
Compact size fan coil units fit seamlessly into tight spaces, optimizing building's layout and design flexibility.

Model dimension



Cooling Capacity kW	Height* mm	Weight* kg
1.8 / 2.7 / 3.2	214	12.9
4.1	256	14

* Exclude Panel



Cooling Capacity kW	Height* mm	Weight* kg
6.0 / 7.2	204	20.2
10.5 / 13.0	288	25.3

* Exclude Panel

Mini 4Way Cassette



Dual Vane 4Way Cassette



Comfort



Clean air



Smart control



Diverse controller

- Low noise (min 35 dBA, for 1.8 kW)
- Drain Pump/ BLDC fan motor included
- High Ceiling Operation
- Individual Vane Control (20° ~ 70°)
- Two Thermistor

- Pre-filter
- Safe Plus Insulation

- Group Control (Up to 16 IDUs)
- LG ThinQ (with Wi-Fi Module***)

- Supports control configuration with external controllers via Modbus contacts
- With a individual or Central controller

- Dual Vane for comfort air flow
- Drain Pump/ BLDC fan motor included
- High Ceiling Operation
- Individual Vane Control (10° ~ 85°)
- Two Thermistor

- Pre-filter
- Powerful Air purification kit*
- Safe Plus Insulation

- Human body detection**
- Group Control (Up to 16 IDUs)
- LG ThinQ (with Wi-Fi Module)***

- Supports control configuration with external controllers via Modbus contacts
- With a individual or Central controller

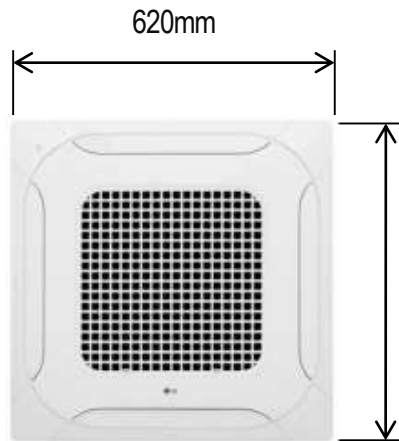
Sophisticated and sleek panel design

4 Way Cassette

Considering the use of space and interior design, integrate the ceiling design to match the Tex.

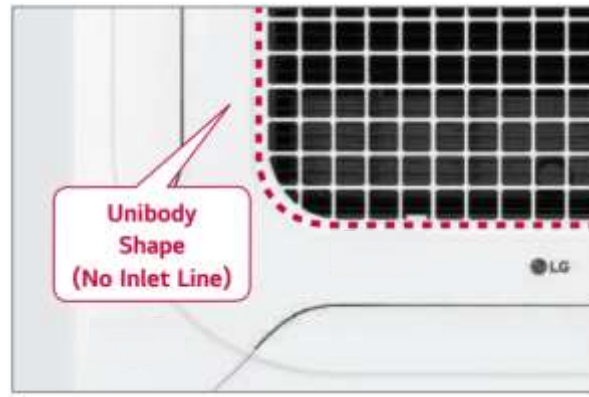
Compact and stylish design (mini 4Way)

- Design that complements the surrounding interior
- Mini 4 Way cassette panel adapted unibody shape and matching with the ceiling
- Panel size fits the ceiling tile.



PT-QAGW0

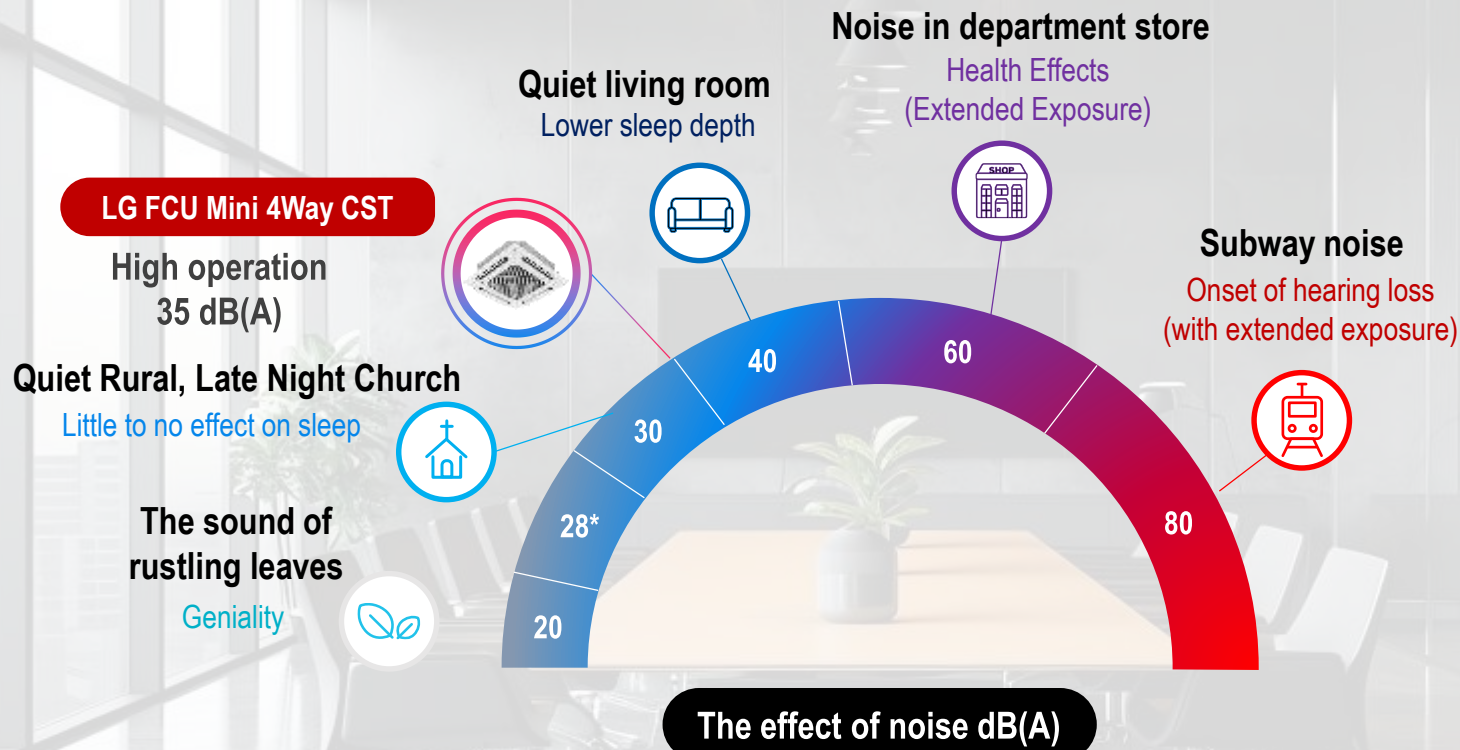
620mm




Low Noise

4 Way Cassette

The optimal design for FCU reduces noise to 35dB(A) to maintain a quiet and comfortable indoor environment. Due to low noise operation, it is preferred most applications to provide comfort.



 Sound Pressure Level

* 6 kW capacity model, Sound pressure level value are measured at noise measuring chamber accordance with LG Internal standard

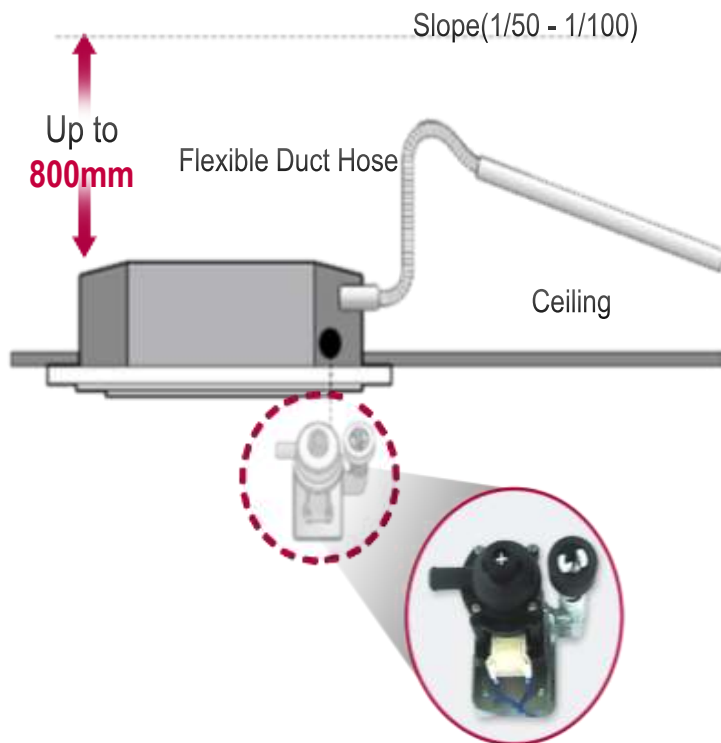
** Sound Data Source : OSHA(Occupational Safety and Health Administration)'s typical sound levels(dB(A))

Easy & Flexible Installation

4 Way Cassette

High drain pump prevents damage of products and ceiling by proper draining of dew condensation which is generated from the evaporator of indoor. The detachable corner design makes it easy to adjust the hanger during installation and helps to easily check leakages in the drain connection pipe.

High head drain pump



High head drain pump

Flexible Installation

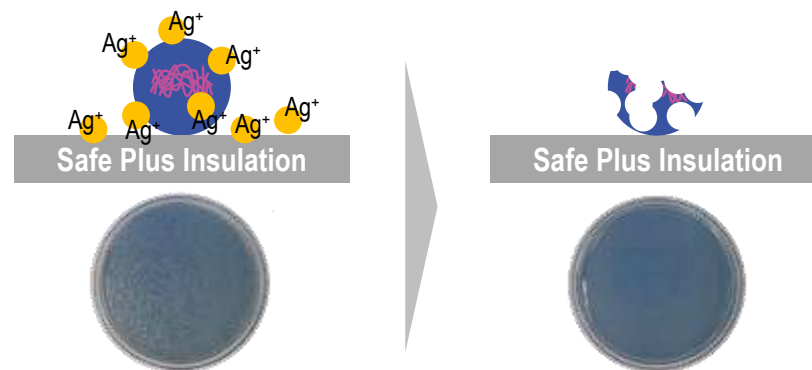
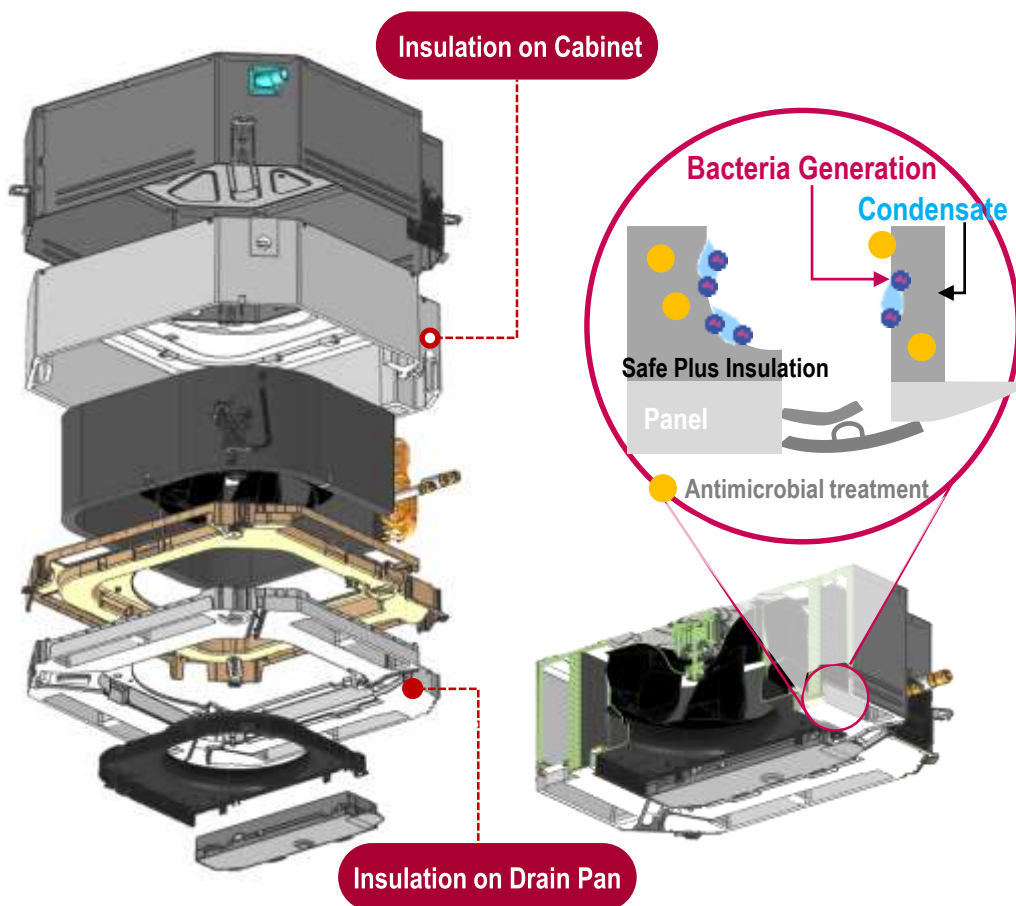


Safe Plus Insulation

4 Way Cassette

Safe Plus Insulation is an anti-microbial treatment applied to internal components of the indoor unit to prevent the growth of mold and provide cleaner and fresher air

Silver Ions generated from Safe Plus Insulation can Microbial DNA Destruction



Parts that the Safe Plus Insulation is applied are **UL-certified** for the resistance of bacterial growth.



EPS Insulator

EPS Cabinet

EPS Drain Pan

※ The Safe Plus Insulation is applied only to the indoor unit that is manufactured in Korea.

New FCU key feature (Dual vane Cassette)

Dual vane Cassette only

LG FCU provides a more comfortable and convenient airflow with reliable cooling & heating performance and advanced air purification technology.

New Design Panel

- Ivory white color
- Wide design, bigger inlet and outlet



Dual Vane Technology

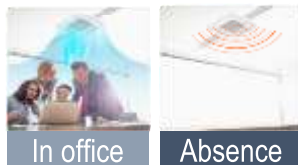
- Dual Vane leads the new types wind.
- 6 air flow modes

Main Vane + Crystal Vane



Intelligent functions

- Floor Detection
- Human Detection



Powerful Air Purifier

- Fresh air with powerful 5-step air purification
- Real-time monitoring indoor air quality via Panel LED lamp, remote controller, mobile



Convenient & Easy control

- ThinQ connectivity (mobile remote control)
- 3rd party external devices by Modbus communication contacts



Integrated Maintenance Services

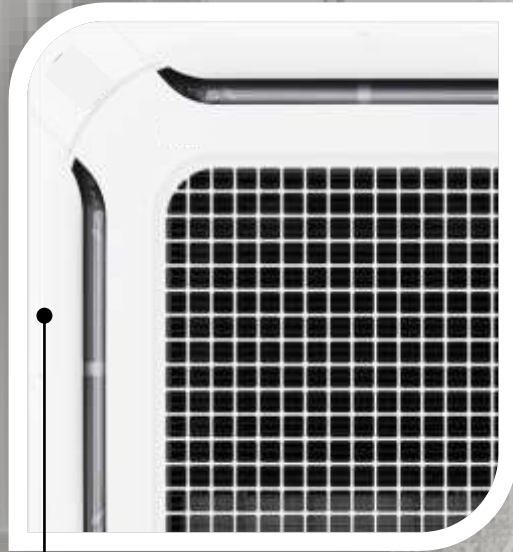
- Consolidation of maintenance services for LG supply equipment (Chiller, FCUs, EHP, etc.)

Stylish Design Panel

Dual vane Cassette only

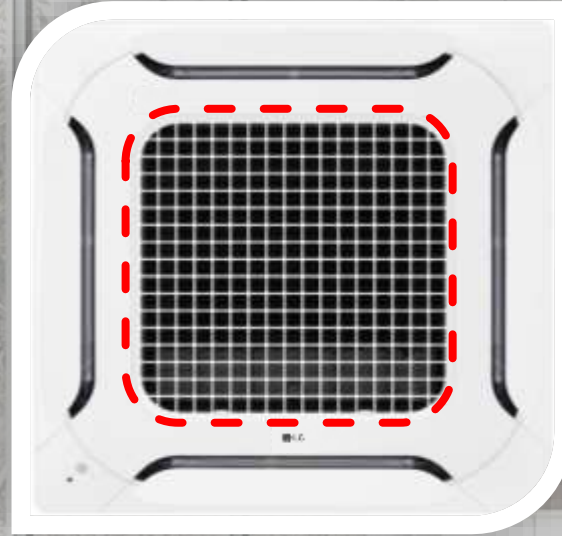
Dual vane 4 way cassette panel adapted a unibody shape that matches with the ceiling.

Brighter Color



Ivory White
(RAL 9003)

Wide Design



Panel Size 950 x 950 (mm)



Grille Size 550 x 550 (mm)

Designed to match interior



Various Airflow Control

Dual vane Cassette only

Innovative dual vane designs each of the best airflow over various spaces.



Power Mode



Up / Down Swing



Indirect Wind



Direct Wind



Smart Mode



Refresh Mode

Various Airflow Control

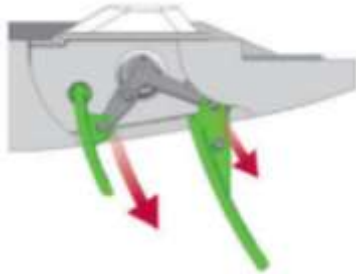
Dual vane Cassette only

Increased Vane & Expanded angles.

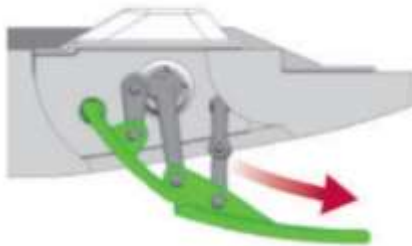
Full 3D Turbo fan decreases air resistance, creating high efficiency and reducing the noise level

Dual Vane

Angle ($10^\circ \sim 85^\circ$)

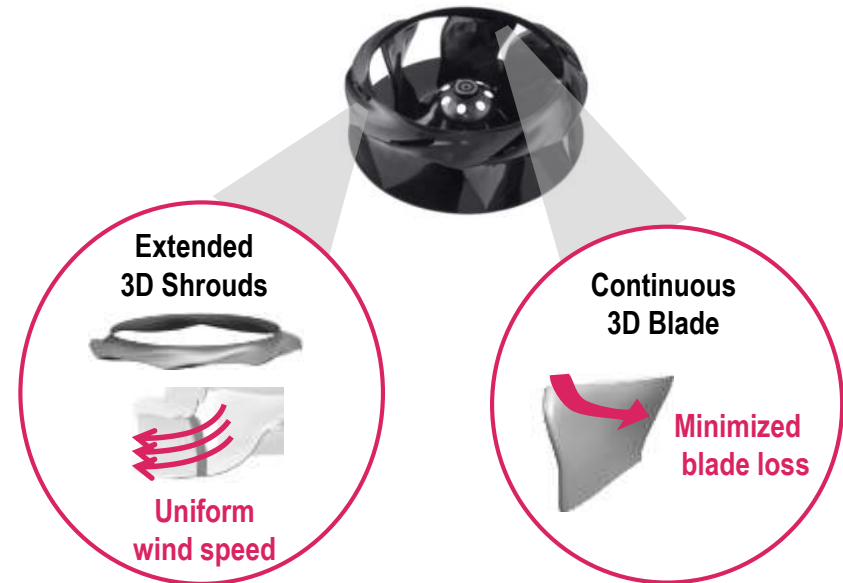


Horizontal airflow
- Optimized angle for indirect wind



Long wind without loss

Full 3D FAN



Air volume

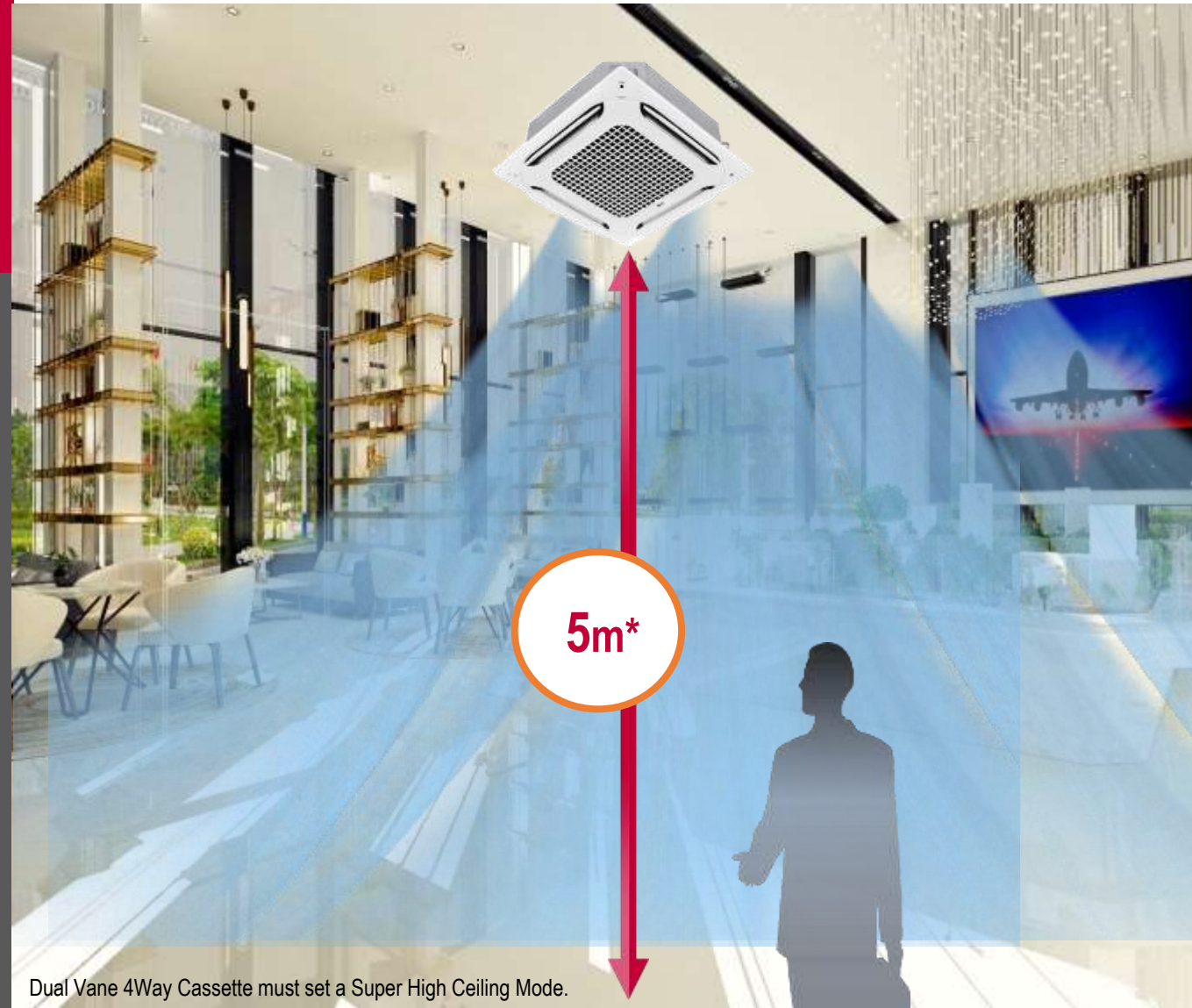
34 CMM (10%↑)

- Based on 48kBTu/h

Direct wind

Dual vane Cassette only

Wind can reach up to 5m with plenty air volume. (@ 0.5m/s)



Recommended direct wind reach



Dual Vane 4Way Cassette must set a Super High Ceiling Mode.

* Settings are required in installer mode.

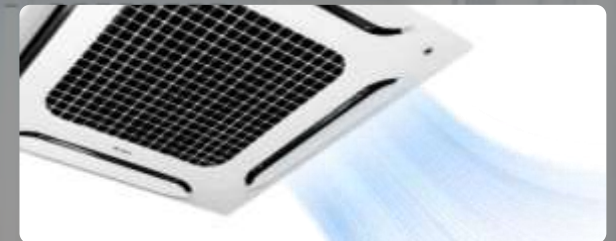
Indirect cooling & Heating

Dual vane Cassette only

Dual Vane designs indirect wind without separate air guide Kit.



• Normal 4way with Air guide



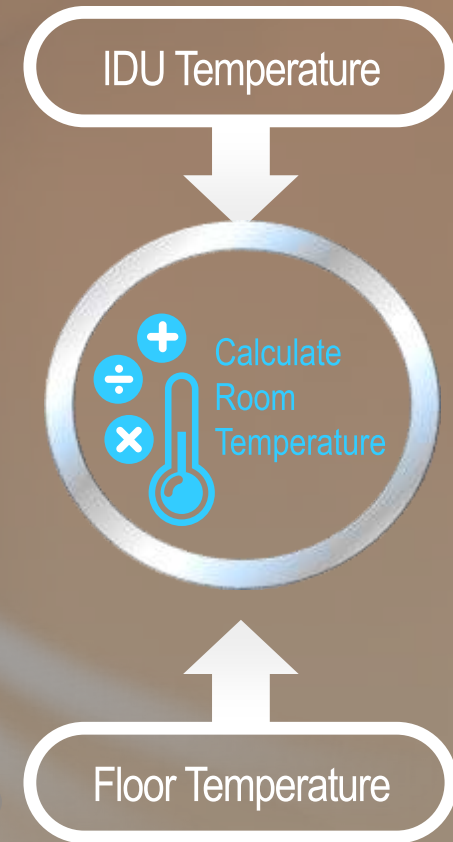
• Smart Dual Vane IDU



Ceiling to floor temperature sensing for heating.

Dual vane Cassette only

Dual vane cassette provides the human oriented room temperature with sensing floor and calculating by floor and ceiling temperature by thermopile Sensor

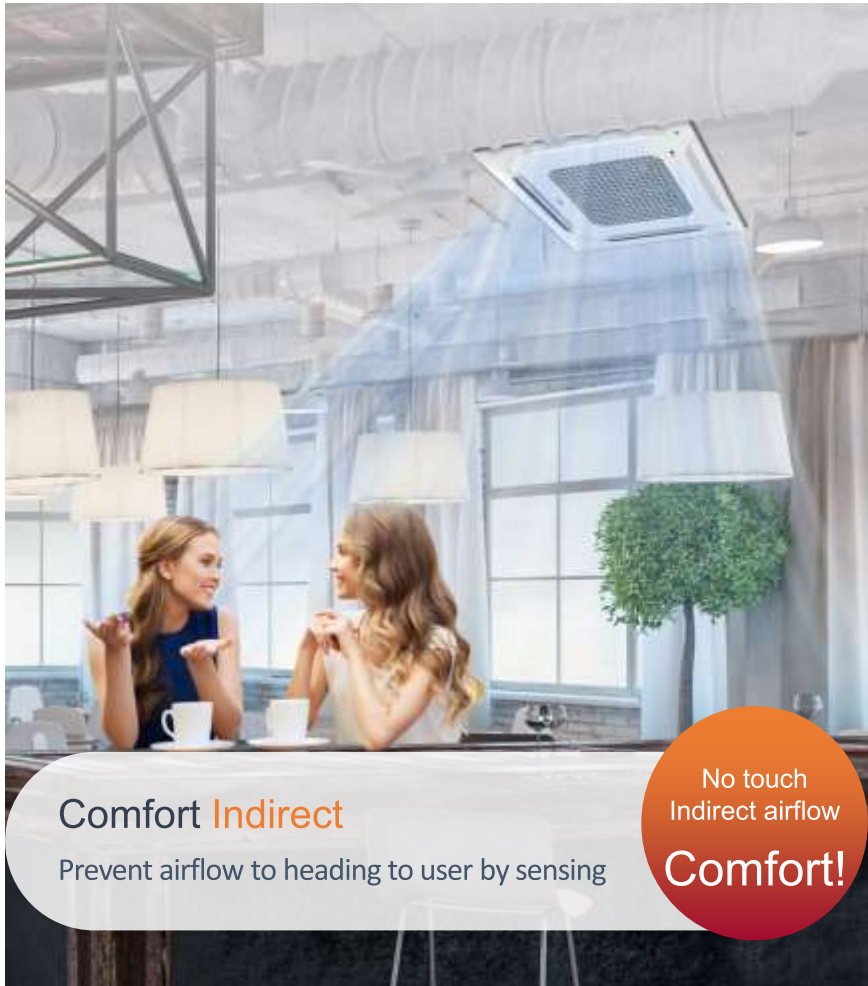


-Available only for products with floor temperature sensor..

Human body detection indirect wind, direct wind

Dual vane Cassette only

Automatically adjusts wind direction and volume according to user settings to create a more comfortable indoor environment



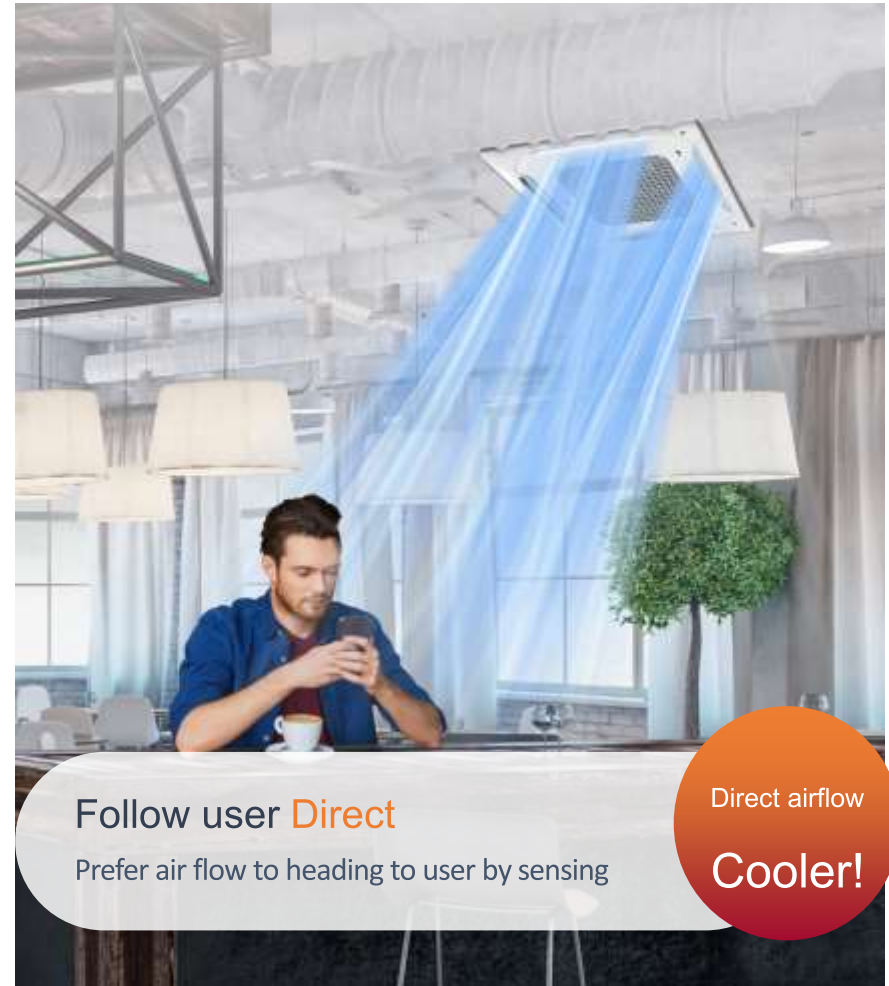
Comfort **Indirect**

Prevent airflow to heading to user by sensing

No touch
Indirect airflow

Comfort!

* Available when applying the human body detection sensor kit (optional) and only applicable to 4Way cassettes



Follow user **Direct**

Prefer air flow to heading to user by sensing

Direct airflow

Cooler!

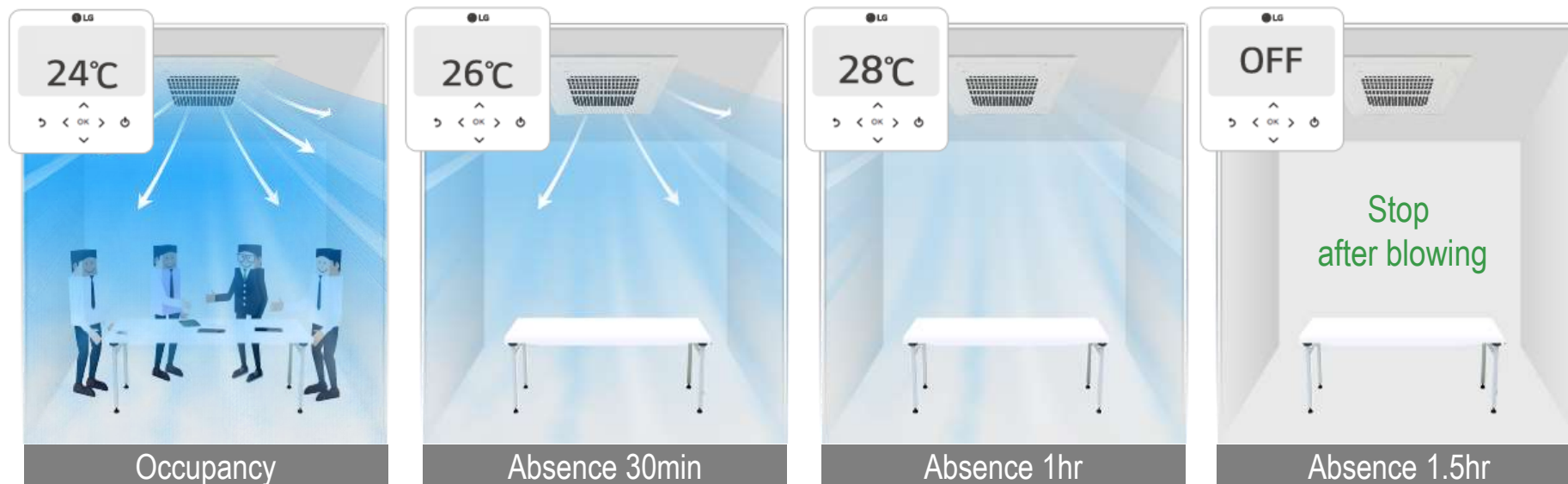


Human body detection sensor kit (PHD-TM0)

Human body detection ON/OFF learning driving

Dual vane Cassette only

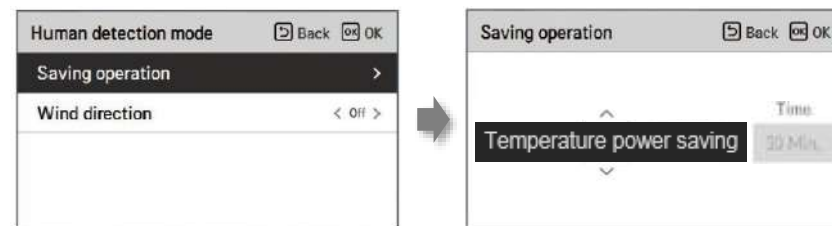
Energy savings by automatically setting target temperature during absence. (5/10/15/30/60/90 min.)



ENERGY



※ Setting screen on the remote controller



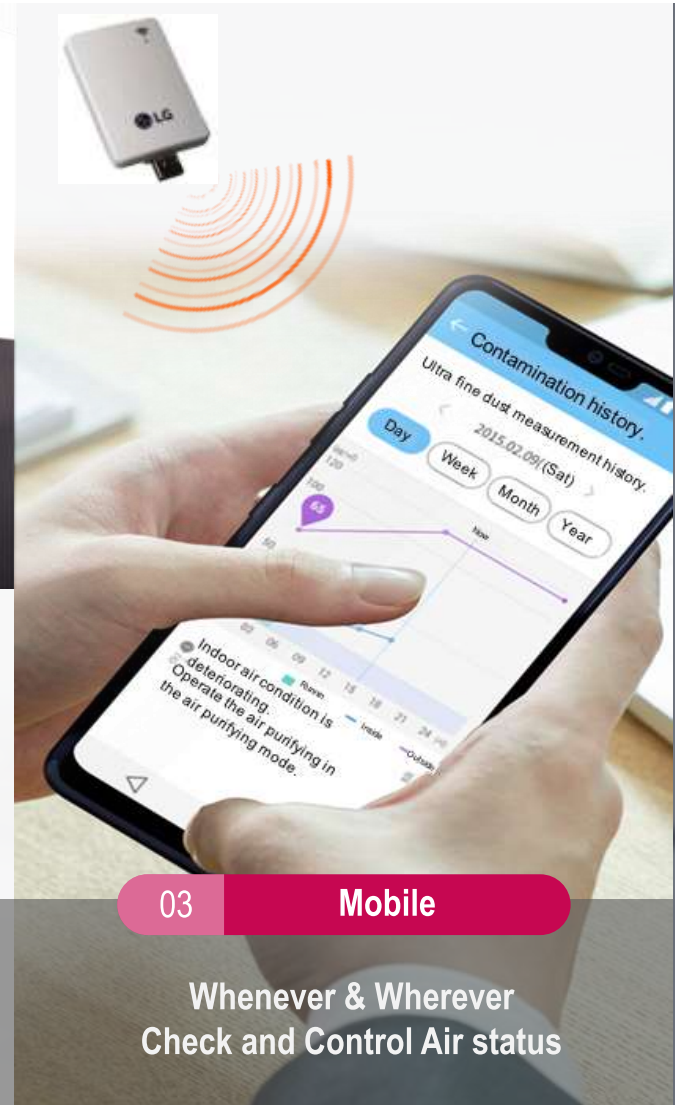
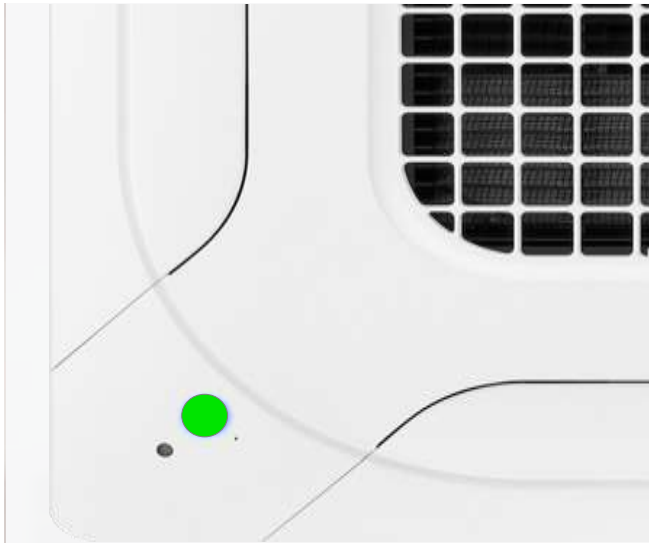
※ Sensor is optional accessory (PTVSM0) : only can be applied to PT-MCHW0(CST Panel)

※ To use this function, new remote controller, PREMTB100 or PREMTBB10 is needed

Real-time indoor air quality monitoring

Dual vane Cassette only

Indoor air quality monitoring is possible from panel LED lamp, remote controller, mobile



- Good
- Moderate
- Unhealthy
- Poor

01 IDU LED

Shows quality of Indoor air in real time

02 Remote controller

Display Air status and Fine Dust Concentration

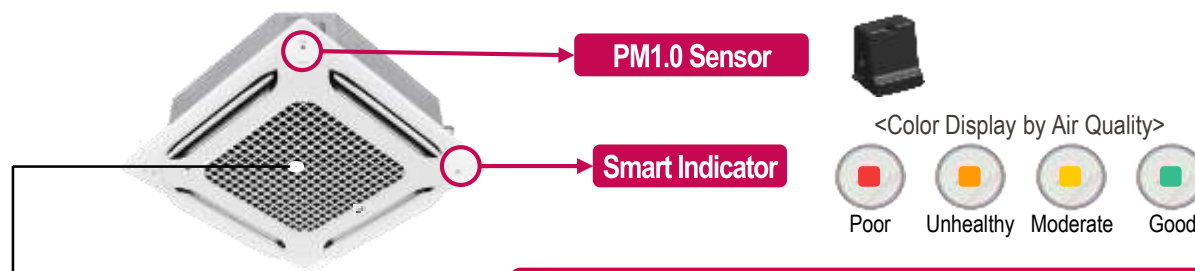
03 Mobile

Whenever & Wherever Check and Control Air status

Convenient and Powerful Air Purification

Dual vane Cassette only

5-Step air cleaning process removes invisible, ultra fine dust, odor and germs to ensure a clean and healthy living environment



5-Steps Air Cleaning Process

5th Step – Ion Emission

Deactivate bacteria and virus that cause food poisoning and pneumonia



4th Step – Deodorization

High efficiency gas absorption technology
Deodorizing Efficiency Up! Pressure loss Down!



3rd Step – Captures Microfine dust

Fine to ultra-fine dust removal of up to 99%



2nd Step – Dust Electrification

Anion increases the electrostatic force of dust Improves dust collection efficiency on filter



1st Step – Captures fine dust (Pre-filter)

Multi layer structure allows dust removal efficiency to be 2.5 times higher and dust is also reduced by more than 40%



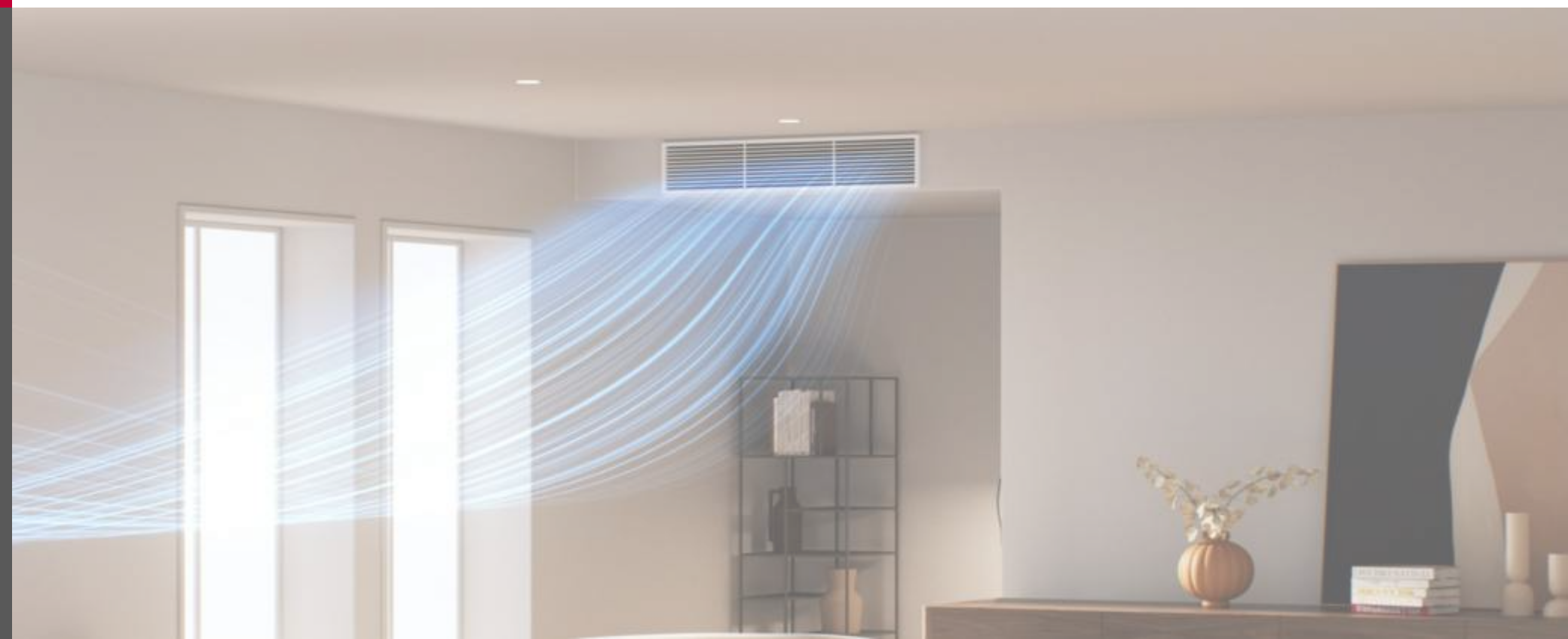
Air Purification Kit

Air Purification Panel

※ Air purification kit and panel are optional. Electrical diffusion makes dust electrification.

Low/ Mid Static Duct

“Just-like MULTI V(VRF) level of Experience”

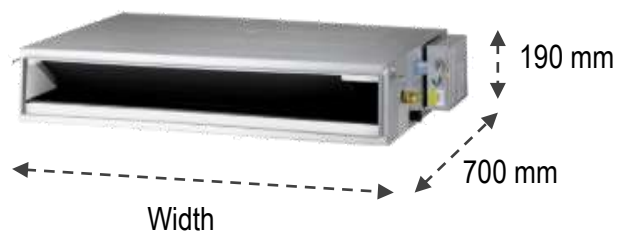


Compact Design & Size

Low/ Mid Static Duct

Compact size fan coil units fit seamlessly into tight spaces, optimizing building's layout and design flexibility.

Model dimension



WFCB0**RG0A (Water Piping at the right)



WFCB0**RG0A (Water Piping Right side)

WFCB0**LG0A (Water Piping Left side)

Cooling Capacity kW	Width mm	Weight kg
1.2 / 1.8	700	16.3
2.5 / 3.2	900	20.9
3.9 / 5.0 / 6.6	1100	24.2

Cooling Capacity kW	Width mm	Height mm	Weight kg
5.0 / 6.0	900	270	28.4
8.0 / 9.5 / 11.0	1250	270	41.0
13.0 / 14.5	1250	360	46.0

Low Static Duct



Mid Static Duct



Comfort

- Low noise (min 26 dBA, for 3.9 and 5.5 kW)
- Drain Pump/ BLDC fan motor included
- External Static Pressure control
- Two Thermistor

- Drain Pump/ BLDC fan motor included
- External Static Pressure control
- Two Thermistor



Air Purification

- Pre-filter
- Safe Plus Insulation

- Pre-filter
- UVnano Filter Box*
- Safe Plus Insulation



Smart control

- Group Control (Up to 16 IDUs)
- LG ThinQ (with Wi-Fi Module**)

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Diverse controller

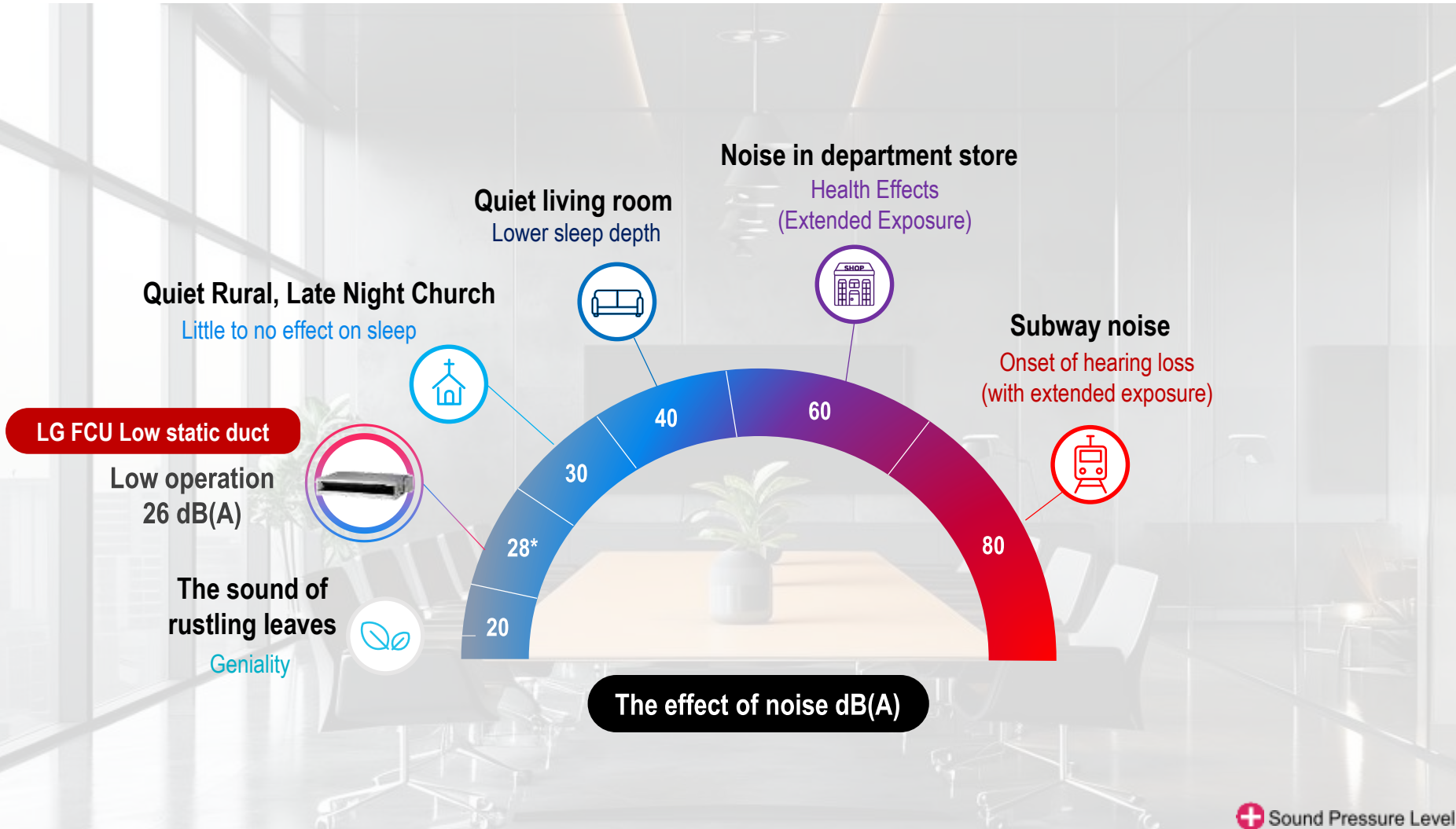
- Supports control configuration with external controllers via Modbus contacts
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Low Noise

Low/ Mid Static Duct

The optimal design for FCU reduces noise to 26dB(A) to maintain a quiet and comfortable indoor environment. Due to low noise operation, it is preferred most applications to provide comfort.



* 3.9~5.5 kW capacity model, Sound pressure level value are measured at noise measuring chamber accordance with LG Internal standard

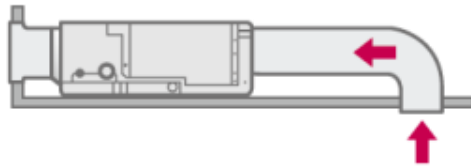
** Sound Data Source : OSHA(Occupational Safety and Health Administration)'s typical sound levels(dB(A))

Easy & Flexible Installation

Low Static Duct only

It is possible to choose the location of the air intake flexibly.

Conventional

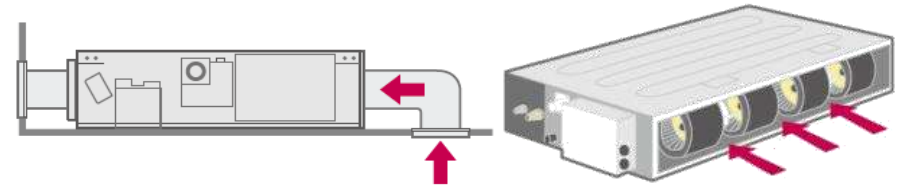


Only one way for air intake

Flexible Installation

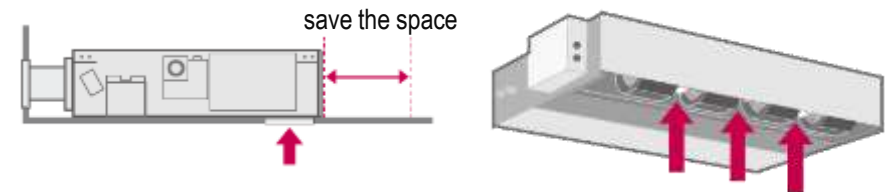
- It can be installed in limited space because you can choose air intake from either rear or bottom.

Case 1 : Air intake from the rear of the unit



Case 2 : Air intake from the bottom of the unit

→ In case of insufficient air intake space

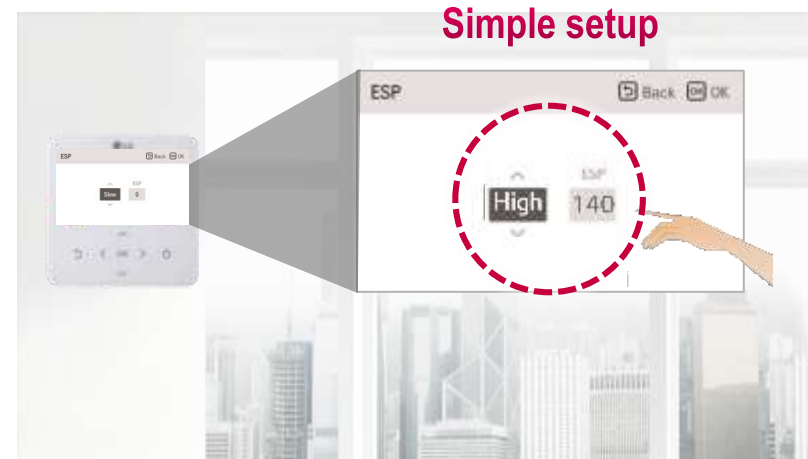
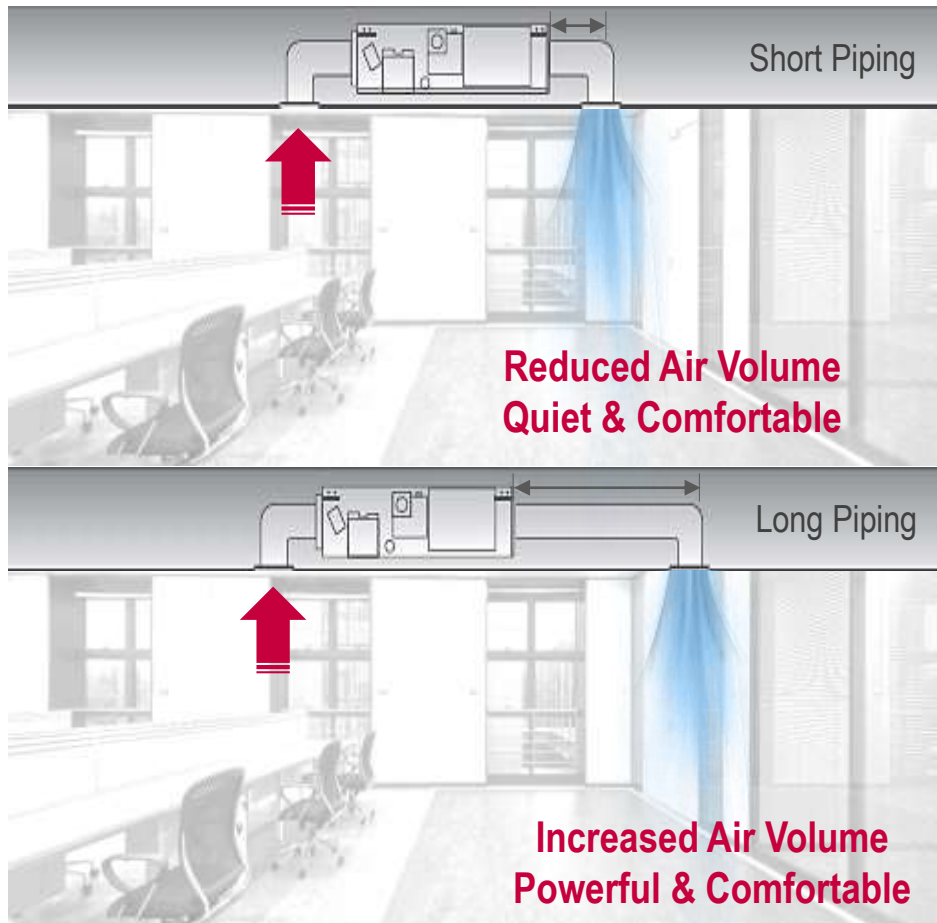


External Static Pressure control (Low/ Middle Static Duct)


Low/ Mid Static Duct

The E.S.P. control function can make air volume controlled easily with a remote controller. The BLDC motor can control fan speed to overcome any external static pressure to supply sufficient air volume .

E.S.P Control



E.S.P. Setting guide (Wired Remote Controller)

- 1) Standard III (PREMTB100/10)
: Menu → Setting → Installer → E.S.P. setting
- 2) Standard II (PREMTB001/01)
:  Button click → 03 : XX → E.S.P. setting

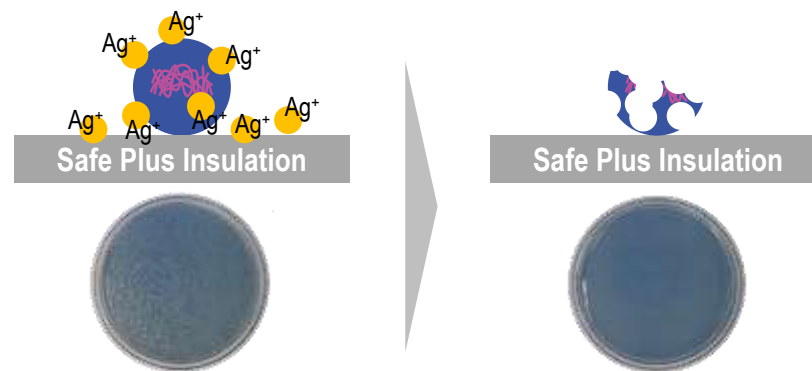
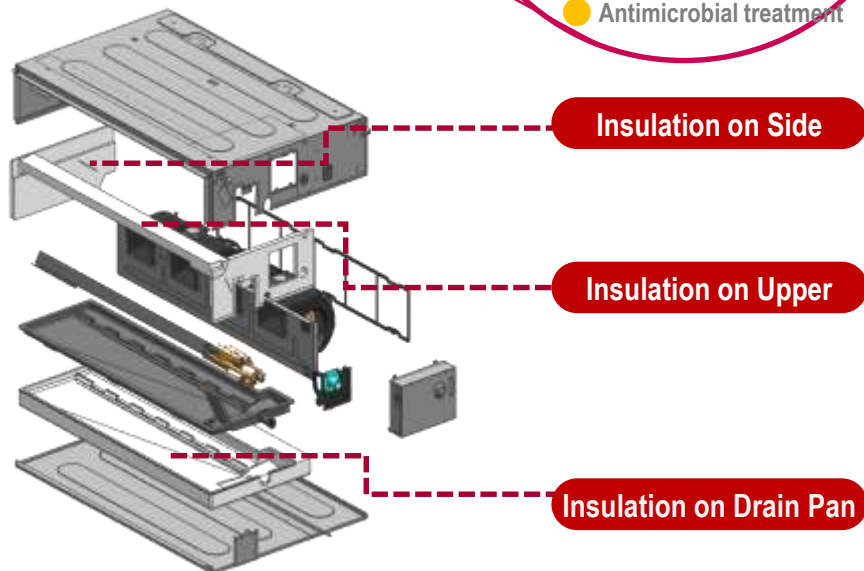
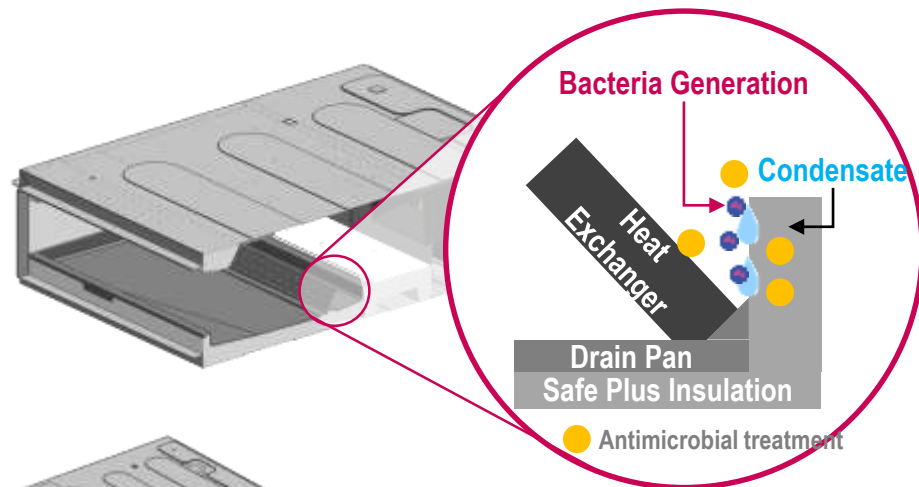
*If not completed, Manual E.S.P. Setting should be needed

Safe Plus Insulation

Low/ Mid Static Duct

Safe Plus Insulation is an anti-microbial treatment applied to internal components of the indoor unit to prevent the growth of mold and provide cleaner and fresher air

Silver Ions generated from Safe Plus Insulation can Microbial DNA Destruction



Parts that the Safe Plus Insulation is applied are **UL-certified** for the resistance of bacterial growth.



EPS Insulator

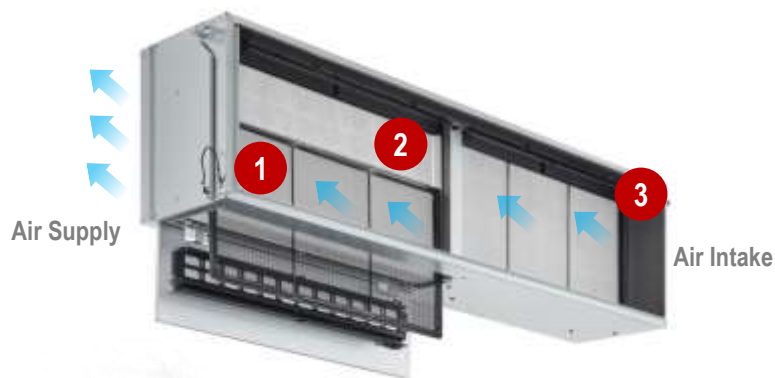
EPS Cabinet

EPS Drain Pan

Air Purification Operation

Middle static duct Only

LG Duct UVnano Filter Box can effectively create a safe indoor environment by trapping and removing various harmful substances such as fine dust, bacteria and viruses in the form of droplets



1) Based on TÜV Rheinland test conducted according to LG test method in compliance with ISO 20743, removing 99.99 percent of Staphylococcus aureus, Staphylococcus epidermidis, and Klebsiella pneumoniae after being exposed to UV LED lights for 4 hours (Tested Models : PBM13M3UA0, PBM13M2UA0, PBM13M1UA0)

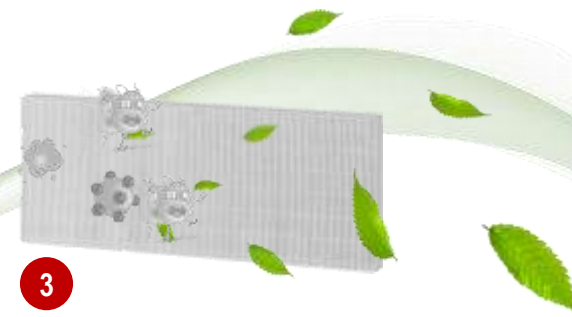
2nd step. UVnano

- Sterilize bacteria and viruses parasitized on bacteria up to 99.99%¹⁾ by irradiating ultraviolet rays



1st step. Pre-Filter

- Trap large particles
 - Fine dust
 - Bacteria
 - Viruses in the form of droplets



3rd step. ePM₁₀ 80% Filter

- Trap particles as small as 0.3 μ m in size²⁾
 - ePM₁ : Average 10%~40%
 - ePM_{2.5} : Average 20%~50%
 - ePM₁₀ : Average 45%~80%

2) Based on KCL (Korea Conformity Laboratories) test conducted in compliance with ISO 16890

Individual Controllers

“Smart and Easy to Use”

Wired



Wireless



Anywhere



Wifi Module



Temperature and **Humidity Sensor(display only)** included

120 x 120 x 16 mm, 4.3 inch Screen

LG ThinQ®

Individual Controller

Providing easy control of one or a group of indoor units with various functions

Wired

1

▪ **Modern Design with Intuitive Interface**

✓ The luxurious design of remote controller well-matches interior design and user friendly button layout, making it easier to control.

▪ **Variable Functions**

- ✓ Environment(temperature/humidity) display
- ✓ Schedule function(weekly/monthly/yearly)
- ✓ Customized interlocking control (lighting/ heater/ fan and etc.)



Wireless

2

▪ **Handy and portable type**

- ✓ Easy to use while moving
- ✓ Main functions are available



LG ThinQ

3

▪ **Control your home FCUs anytime, anywhere**

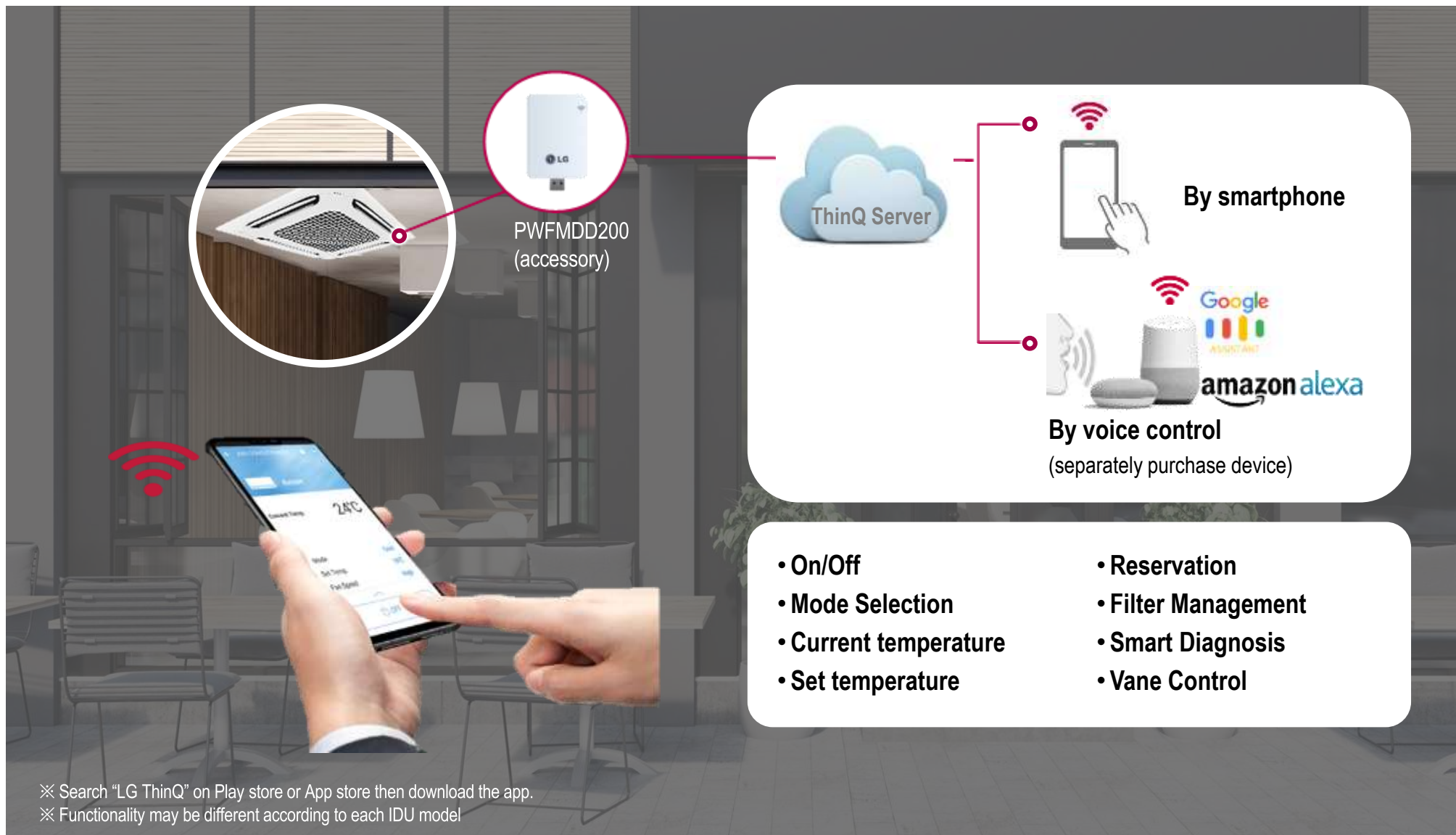
- ✓ User can enjoy anytime, anywhere access with Wi-Fi through LG's ThinQ mobile app.
- ✓ This allows the user to access the unit remotely to switch unit on or off.
- ✓ LG's exclusive Home Appliances control app(LG ThinQ) is available.
- ✓ Simple operation for various functions



LG ThinQ integration

Individual Controllers

LG ThinQ allows you to check and control FCU operation status anytime, anywhere with mobile. Control using the smart internet devices as Android or iOS based smartphones and voice commands via Google assistant & Amazon alexa.



Central Controllers

“Smart and Easy to Use”

AC Ez



Black & White Display
18 LED(Button Control)

AC Ez Touch



5 inch color Display
Touch screen

AC Smart 5



10.2 inch color display
Touch screen

ACP 5



PC Access Controller

■ Maximum number of connectable units

LG Central Controller		AC Ez	AC Ez Touch	AC Smart 5	ACP 5
Max. Connectable No.	IDUs(A/C, FCU)	32	64	128	256
	Chiller	-	-	5	10

Central Controller_Small size building

LG Control Concept operates without the need for a Building Management System (BMS), offering a cost-saving solution that is simple and easy to use.

AC Ez Touch

1

Smart management with 5 inch touch screen

- ✓ Maximum No. of units : 64
- ✓ PC Access
- ✓ Alarm indicator
- ✓ Schedule control
- ✓ Group/ Individual control



PC Access



Alarm Indicator



Schedule



Group / Individual Control

AC Ez

2

Easy to manage FCUs with simple interface

- ✓ Maximum No. of units : 32
- ✓ Unit status check by intuitive LED light
- ✓ Easy & Simple On/Off
- ✓ Weekly schedule
- ✓ Group/ Individual control

PQCSZ250S0



Control mode selection
(By unit, group, all)



On/ Off at once



Intuitive control / monitor

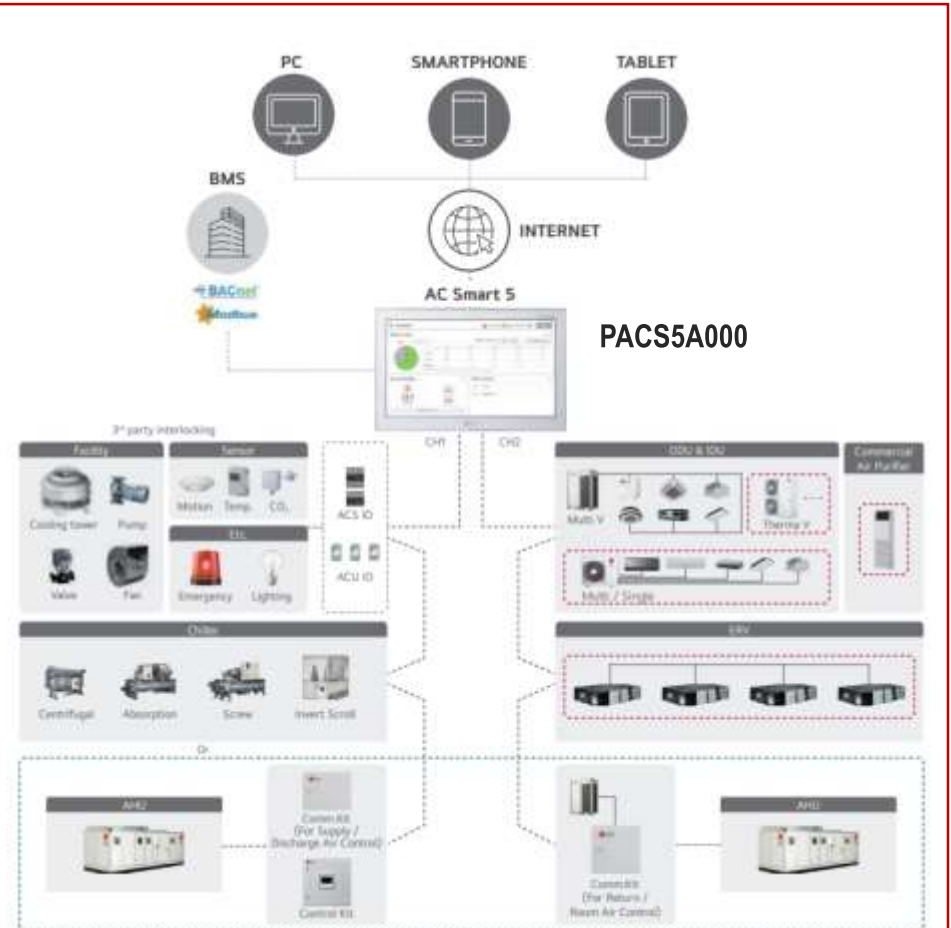
Central Controller_Medium/Large size building

10 inch touch screen with HTML5 GUI (Graphic User Interface) for easy control

AC Smart 5

3

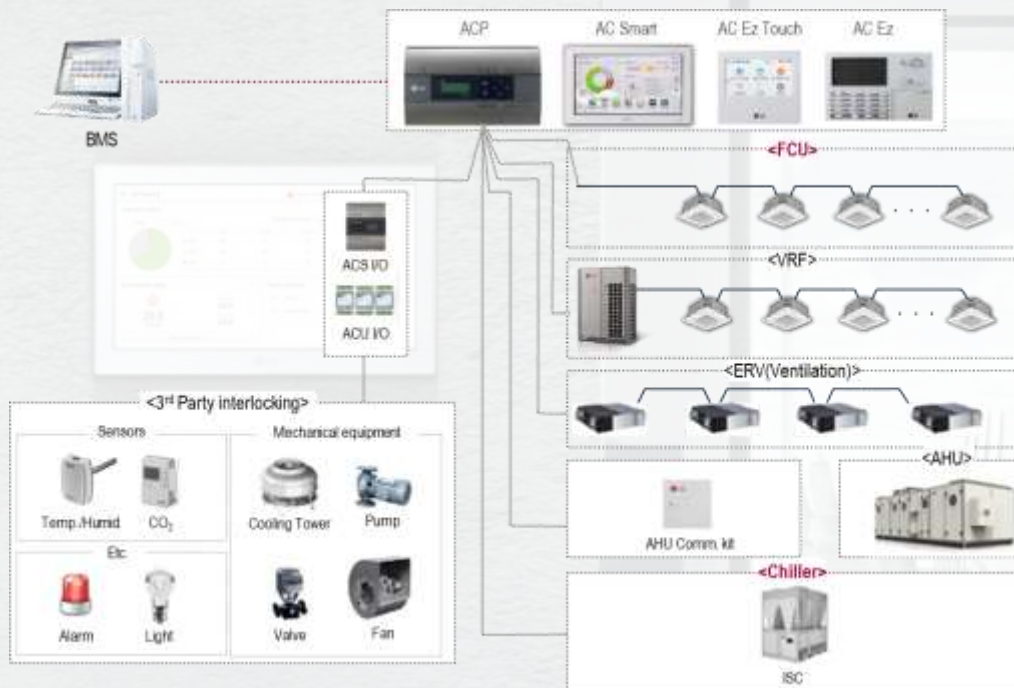
- **Maximum No. of units : 128 (LG chiller :5)**
- **Advanced network accessibility (PC, Mobile, Tablet)**
 - ✓ HTML5 allows you to easily control system on a variety of platforms at any time
- **Diagnostic system monitoring**
 - ✓ Reporting including control status and other information is provided via e-mail so that system can be monitored properly even when error occurs.
- **Multi level group composition**
 - ✓ Users can make frequent and multi level group to control and monitor the system operation easily.
- **Visualized control**
 - ✓ Customers can visually monitor and control any type of units connected to the central controller on the floor map
- **BMS integration**
 - ✓ Without additional device, AC Smart 5 provides BACnet IP & Modbus TCP interface for BMS integration as well as its own management function
- **Interlocking with 3rd party equipment**
 - ✓ It can make operation scenario with 3rd party equipment by ACS IO Module. Control coverage is expanded. (FCU only → Sensors, Fans, Pumps, Switches...)



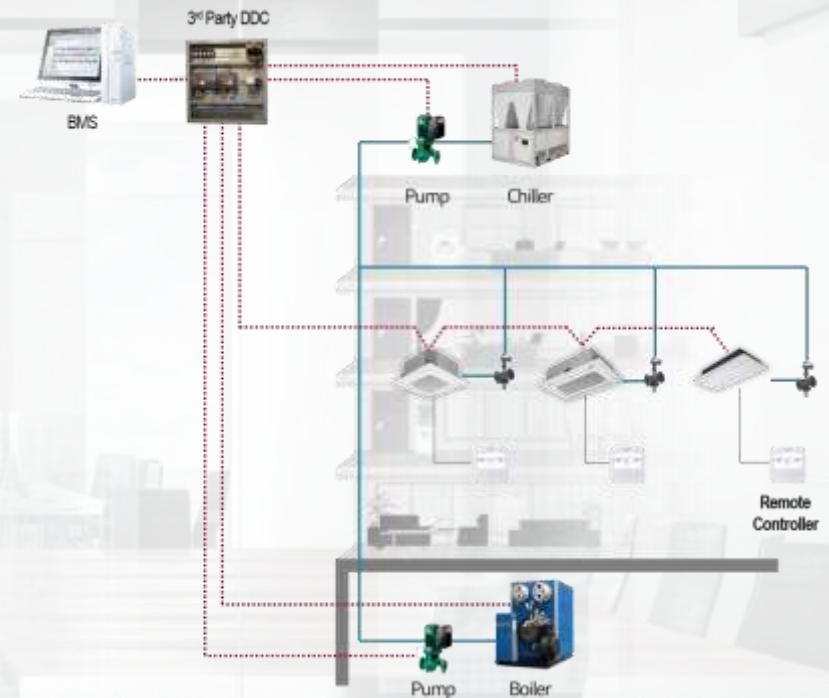
Central Control Solution

“Innovative building management solution in your hand”

LG FCU with LG Control Concept



LG FCU with 3rd Party Control Concept

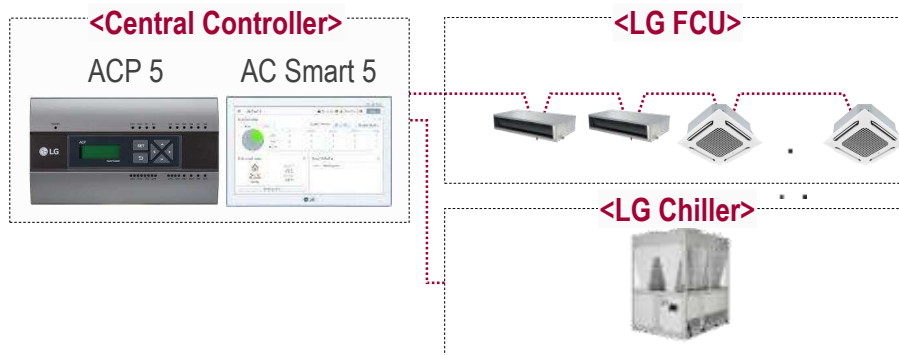


LG Control Concept operates without the need for a Building Management System (BMS), offering a cost-saving solution that is simple and easy to use.

LG ISC and LG FCU

1

- LG central controller can control LG ISC and FCU without BMS

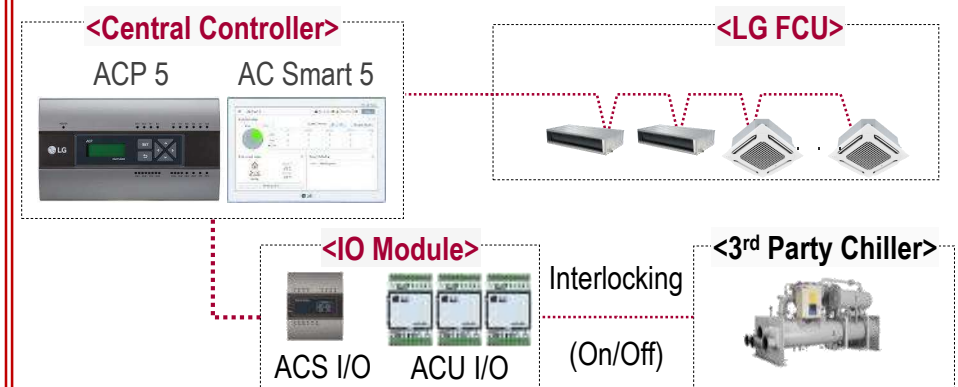


* Other type of LG chiller can be connectable with Modbus/BACnet Protocol

3rd Party Chiller + LG FCU

2

- Simple control of 3rd party Chiller is possible without BMS



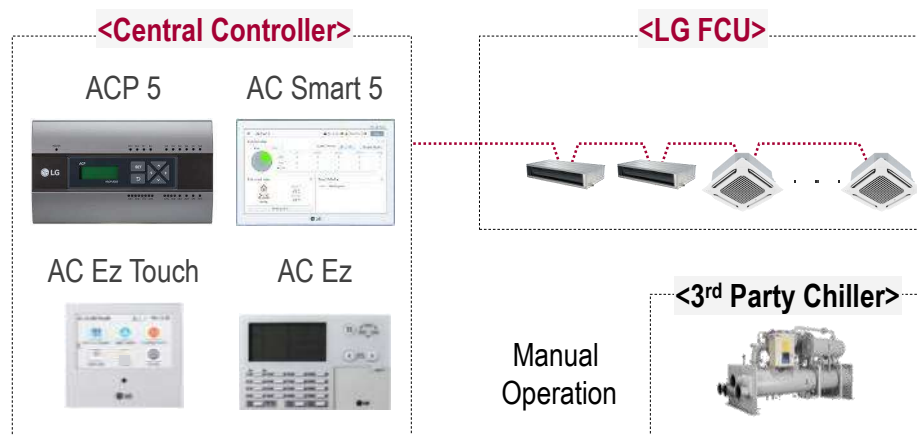
* LG Central Controller with IO module

AC Smart 5 can make smart building manager through a lot of smart function. You can simply configure the central control system and monitor and control the system easily.

LG FCU only

3

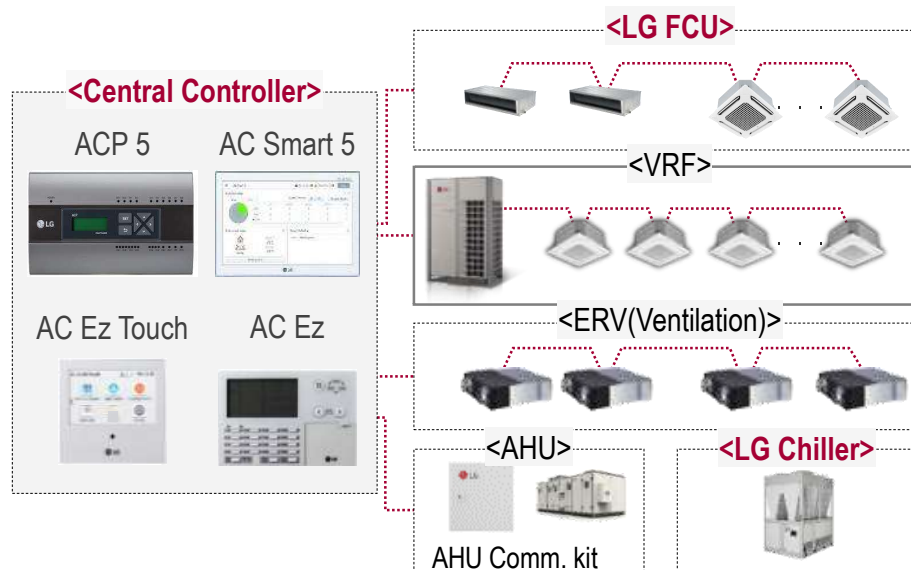
- LG FCU can be controlled via LG central controller



LG FCU with LG SAC solution

4

- LG Total solution available



3rd Party Central Control

LG has a wide range of gateway products for different protocols such as BACnet, Modbus, and LonWorks. In addition, LG gateways include Standalone central control capability to act as a back-up controller of the BMS if needed.

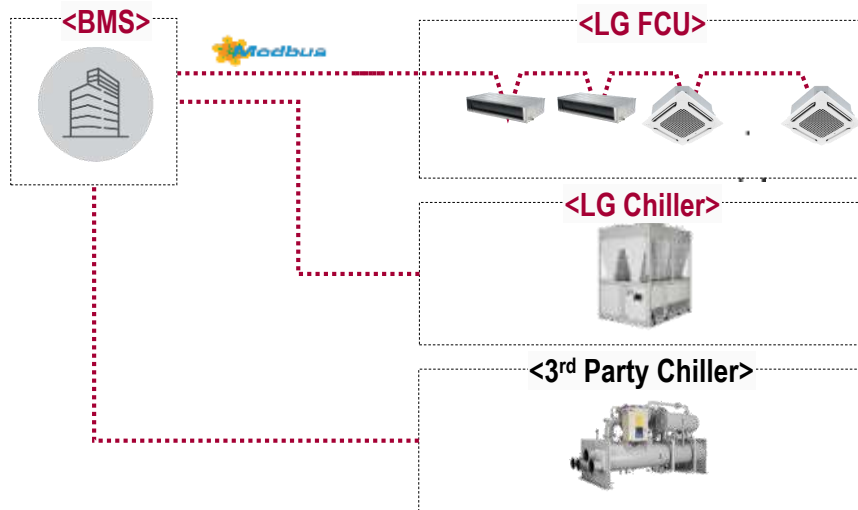
Modbus

1



- **LG FCU + Chiller (LG or 3rd party)**
→ **Modbus (no need gateway)** → **BMS**

✓ Since LG FCU provide Modbus protocol, it is easy to connect LG Chiller or 3rd Party Chiller to the BMS



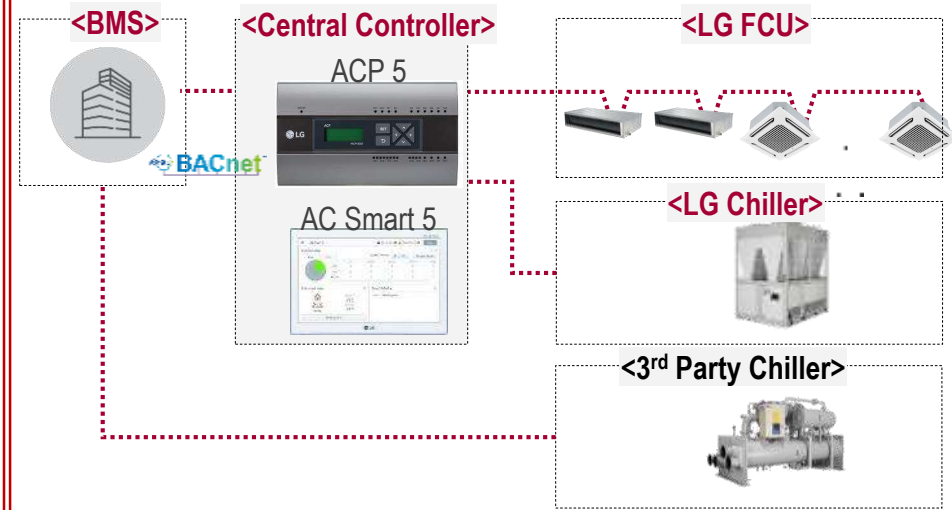
BACnet

2



- **LG FCU + LG Central Controller + Chiller**
(LG or 3rd Party) → **BACnet** → **BMS**

✓ Central controller provide BACnet Protocol and can connect to BMS to control FCU.



Integrated Solutions

“Various solution with 3rd party devices”

Dry Contact



Simple Dry Contact
(1 input)



Dry Contact
for 2 Input



Dry Contact
for Thermostat

1



PDRYCB000

Simple Dry Contact(1 input)



- ← Contact Point Input
- Operation On / Off Status
- Error Alarm



Simple Dry Contact(1 input)



Interlocking Device



2



PDRYCB400

Dry Contact for 2 Input



- ← Contact Point Input 1
- ← Contact Point Input 2
- Operation On / Off Status
- Error Alarm



Window Sensor



Dry Contact for 2 Input



Card Key



3



PDRYCB320

Dry Contact for Thermostat



- ← Target temperature setting*(0~10V)
- ← Operation On / Off Status
- ← Thermo On / Off
- ← Operation Mode(Fan / Heat / Cool)
- ← Fan Speed(Low / Middle / High)
- ← Operation On / Off
- Error Alarm



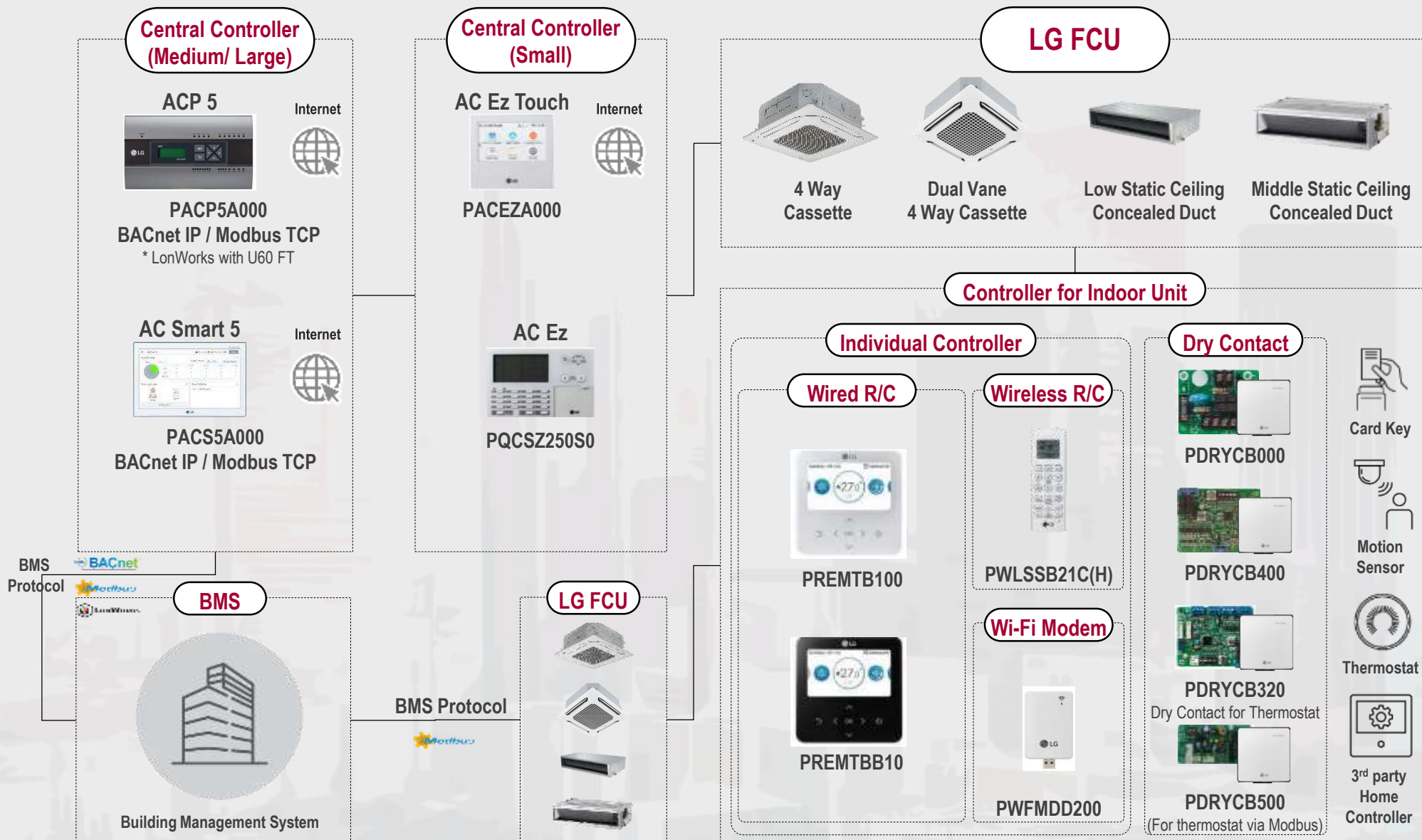
Dry Contact for Thermostat



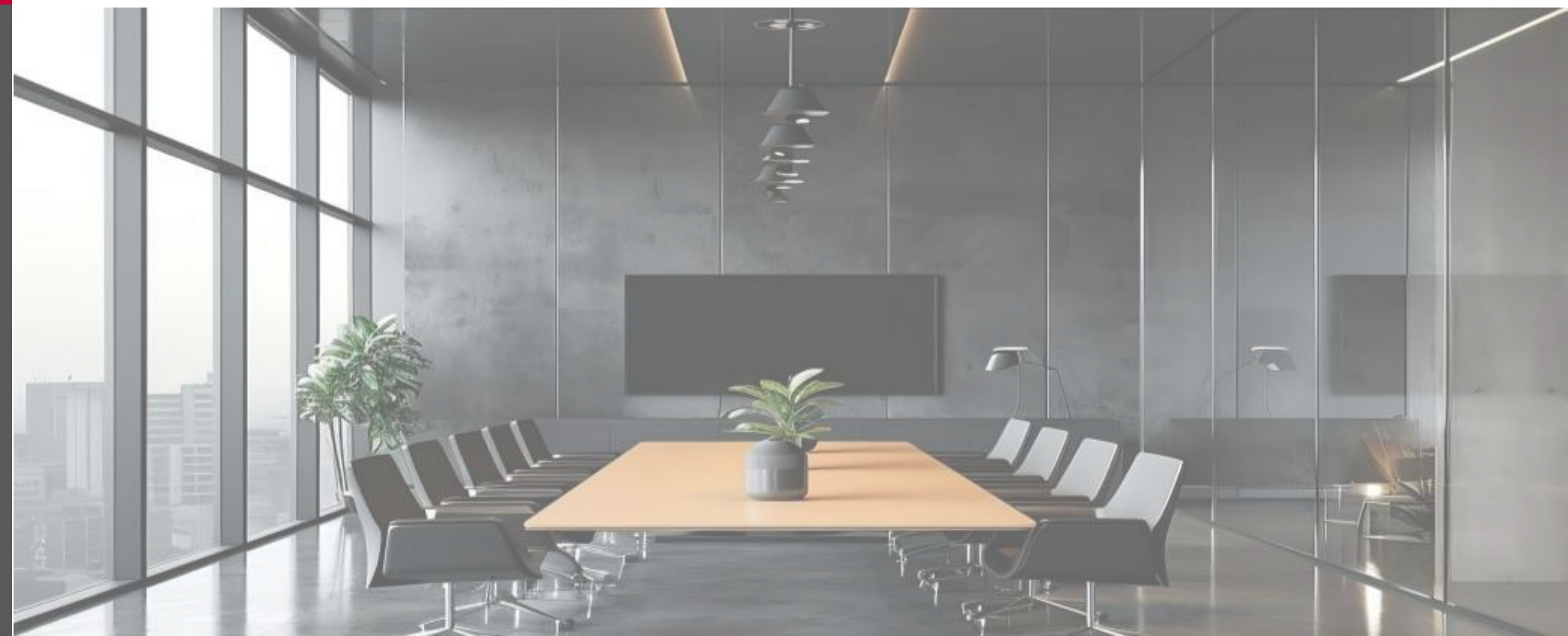
3rd Party Room controller

LG Control System Architecture

Integrated Solutions



Appendix



Appendix. Model information

TYPE	Piping	Cooling Capacity_kW	Rated Air Flow_CMM	CIS Model	PDB Model	PDB
4 Way CST	-	1.8	6.5	WF4A018CG0A	WF4A018CG0A	EU
		2.7	7.0	WF4A027CG0A	WF4A027CG0A	EU
		3.2	8.5	WF4A032CG0A	WF4A032CG0A	EU
		4.1	12	WF4A041CG0A	WF4A041CG0A	EU
		6	17	WF4A060CG0B	WF4U019C2TA	CSA(LATAM)
		7.2	22	WF4A072CG0B	WF4U021C2TA	CSA(LATAM)
		9	21	WF4A090CG0B	WF4U025C2TA	CSA(LATAM)
		10.5	25	WF4A105CG0B	WF4U031C2TA	CSA(LATAM)
		13	33	WF4A130CG0B	WF4U041C2TA	CSA(LATAM)
Low Static Duct	Right	1.3	5.5	WFCA012RG0A	WFCA012RG0A	EU
		1.8	8.0	WFCA018RG0A	WFCA018RG0A	EU
		2.5	8.0	WFCA025RG0A	WFCA025RG0A	EU
		3.2	9.8	WFCA032RG0A	WFCA032RG0A	EU
		3.9	10.7	WFCA039RG0A	WFCA039RG0A	EU
		5.0	14.4	WFCA055RG0A	WFCA055RG0A	EU
		6.6	20.1	WFCA066RG0A	WFCA066RG0A	EU
Middle Static Duct	Right	5.6	15	WFCB056RG0A	WFCB017R203	CSA(LATAM)
		6.6	18	WFCB066RG0A	WFCB020R203	CSA(LATAM)
	Left	5.6	15	WFCB056LG0A	WFCB017L203	CSA(LATAM)
		6.6	18	WFCB066LG0A	WFCB020L203	CSA(LATAM)
	Right	9.0	25	WFCB090RG0A	WFCB025R203	CSA(LATAM)
		10.0	30	WFCB100RG0A	WFCB030R203	CSA(LATAM)
		10.9	34	WFCB109RG0A	WFCB034R203	CSA(LATAM)
	Left	9.0	25	WFCB090LG0A	WFCB025L203	CSA(LATAM)
		10.0	30	WFCB100LG0A	WFCB030L203	CSA(LATAM)
		10.9	34	WFCB109LG0A	WFCB034L203	CSA(LATAM)
	Right	12.7	36	WFCB127RG0A	WFCB039R203	CSA(LATAM)
		14.0	40	WFCB140RG0A	WFCB044R203	CSA(LATAM)
	Left	12.7	36	WFCB127LG0A	WFCB039L203	CSA(LATAM)
14.0		40	WFCB140LG0A	WFCB044L203	CSA(LATAM)	

* PDB(Product Data Book) can be downloaded in B2B Partner Portal

Appendix. Comfort Function

Auto Dry

Step1. Cooling Mode

Step2. Fan Mode (After Cooling Off)

▷ Odor occurs

▷ Odorless
▷ Inhibition of bacterial production

[Auto Dry Function Setting]

Function	Back	OK
Vane Angle Control	>	
Elevation Grill	< Stop >	
Robot Cleaning	< Manual >	
Auto Dry	< Not Use >	
Filter Clean		

Value	Description
Use	Use auto dry function
Not Use	Not use auto dry function

Sleep Mode

[Fan Speed]

- After setting the sleep mode, fan speed is changed to low.

[Sleep Mode Setting]

- Sleep mode is operated by Sleep Timer setting.

Timer	Back	OK
Simple Timer	off >	
Sleep Timer	off >	
Turn-Off Reservation	off >	
Turn-On Reservation	off >	

Sleep Timer	Back	OK
1 hours, left to sleep	Start	

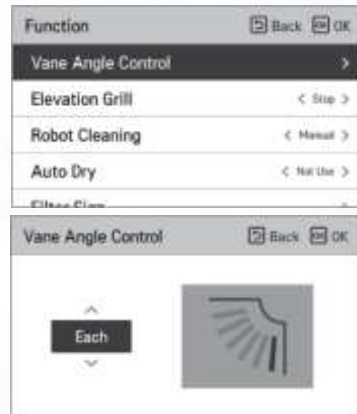
※ The comprehensive auto cleaning function prevents the formation of bacteria and mold on the heat exchanger, providing a more pleasant and comfortable environment. Also, the indoor environment remains odorless with this function.

Appendix. Comfort Function

Comfort Airflow

[Individual Vane Control]

[Swirl Swing]



Ceiling Height Setting



Deep switch setting



Remote Controller Setting

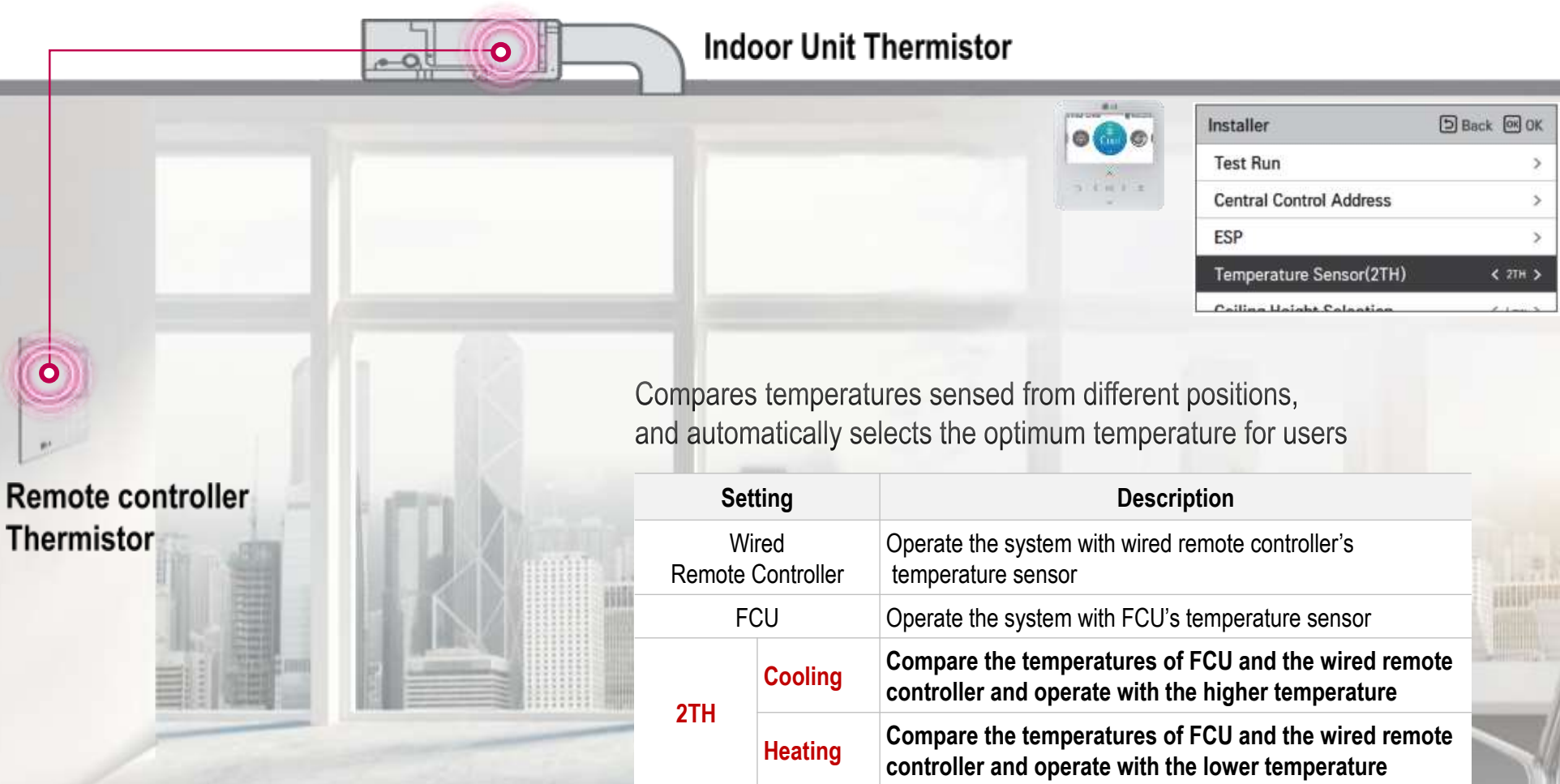
Installers can set the following setting values using <, >(left/right) button.



Ceiling height	Description
Low	Fan speed operates one step slower than the default value.
Standard	Operates at the default fan speed
High	Fan speed operates one step faster than the default value.
Very high	Fan speed operates two steps faster than the default value.

Appendix. Two Thermistors Control

The indoor temperature can be checked using the thermistors in the remote controller as well as from the indoor unit. Two thermistors can check the optimum indoor air temperature for a more comfortable environment.



Appendix. Panel information (4 Way Cassette)

Mini 4 Way CST

Model Name		PT-QAGW0	
Description	-	Standard Panel	
Color	-	White	
Panel Exterior	RAL (Classic)	-	RAL 9003
Type	-	Grid	
Dual Vane	-	X	
Dimensions	Net (W x H x D)	mm	620 × 35 × 620
	Shipping (W x H x D)	mm	688 × 127 × 673
Weight	Net	kg	2.85
	Shipping	kg	3.9
Function	PM1.0 Sensor	-	X
	Air Purification Kit	-	X
Accessory	Floor Detection Sensor*	-	X
	Human Detection Sensor*	-	X



Dual Vane 4 Way CST

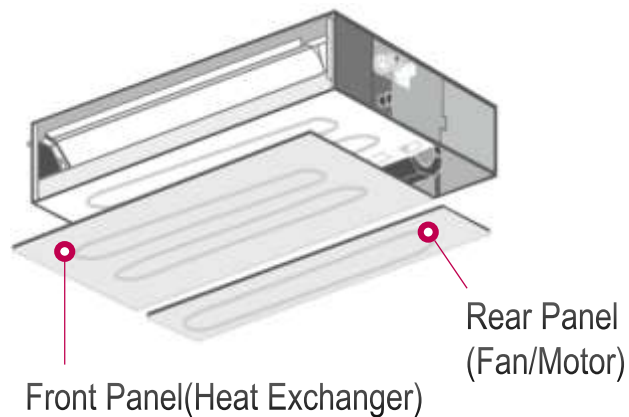
Model Name		PT-AAGW0	PT-AFGW0	PT-AEGW0
Description	-	Standard Panel	Premium Panel	Air Purifying & Elevation Pane
Exterior Color	-	White	White	White
RAL Code	-	RAL 9003	RAL 9003	RAL 9003
Dual Vane	-	O	O	O
Dimensions	Net (W x H x D)	mm	950 x 35 x 950	950 x 35 x 950
	Shipping (W x H x D)	mm	1,006 x 102 x 1,006	1,006 x 117 x 1,006
Weight	Net	kg	7.1	10.5
	Shipping	kg	9.3	12.4
Function	PM1.0 Sensor	-	X	O
	Air Purification Kit	-	X	PTAHMP0
	Elevation Grille Kit	-	X	PTVK440
Accessory	Floor Detection Sensor*	-	PTFSMA0	O
	Human Detection Sensor*	-	PTVSAA0	PTVSAA0



Appendix. Easy Service & Maintenance

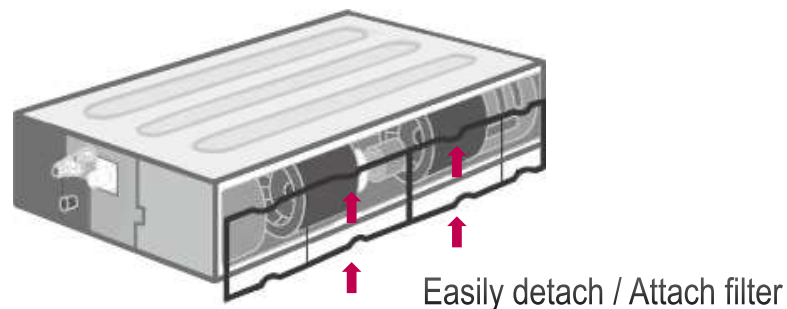
Users don't need to open whole panel for maintenance, since panel is divided into one for heat exchanger and fan/ motor. Easily detach and attach the filter even in limited space.

Selective panel separation

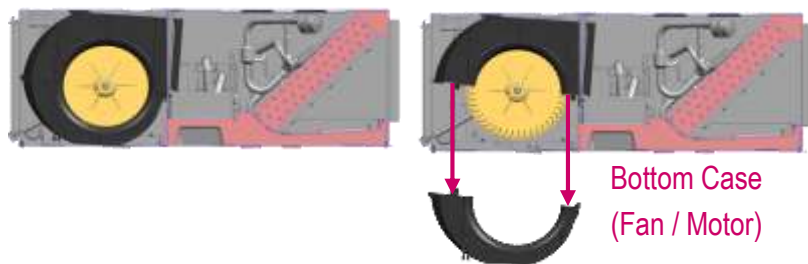


Easily detachable Filter

The detachable and attachable structure can allow users to easily assemble the filter when maintaining the filter



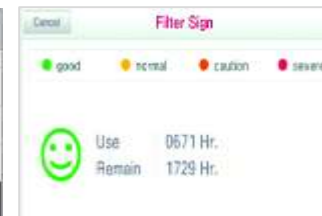
Easy Access Fan Case



Filter Cleaning Cycle Display



Wired Remote Controller



Mobile Application

Appendix. Convenient Wired Remote Controller

LG FCU can be easily and conveniently controlled with a wired remote controller.

< Premium >



< Standard III >



*Simple and Stylish design,
5 or 4.3 inches full color LCD display*

< Standard II >



*Easy Control,
4.3 inches display*

Easy

- Easy to use navigation buttons
- Easy installation setting



Convenient

- Flexible display
 - Dual display with air conditioning
 - Zoom selected directory to increase legibility
- Sleep Timer
- Turn on/ off reservation
- Schedule functions

Display

- Indoor Air quality level
- Alarm for filter change / remaining time to change filters



Appendix. Group Control with One Remote Controller

Up to 16 FCUs can be controlled with one wired remote controller.

By controlling several FCUs at once, it can provide convenience and save installation cost.

Max. 16 FCUs



Good Looking Interior



Individual Control



Group Control


Initial cost saving

- No need to buy multiple wired remote controllers.



Appendix. Easy Scheduling

You can set up to 30 schedules for one day or a week.

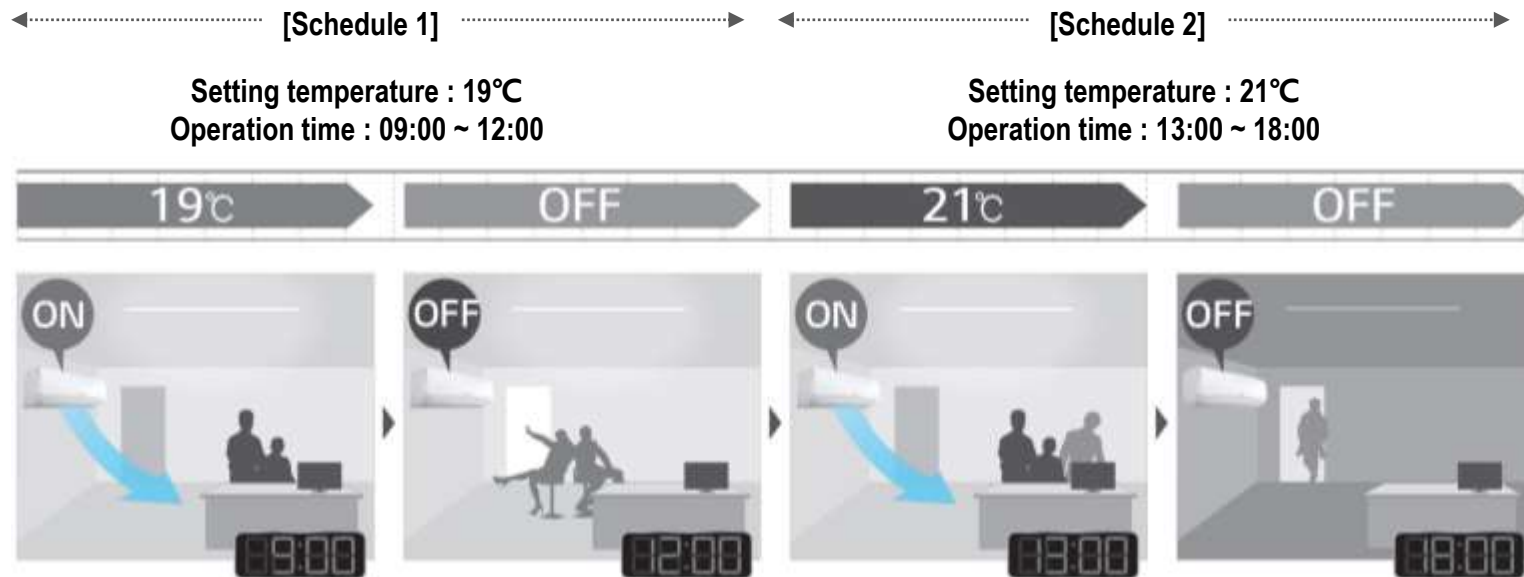


*- Schedule can be set daily and weekly.
- Depending on the type of wired remote controller, the number of schedules that can be set varies.*

Standard III

Menu Back OK
Schedule

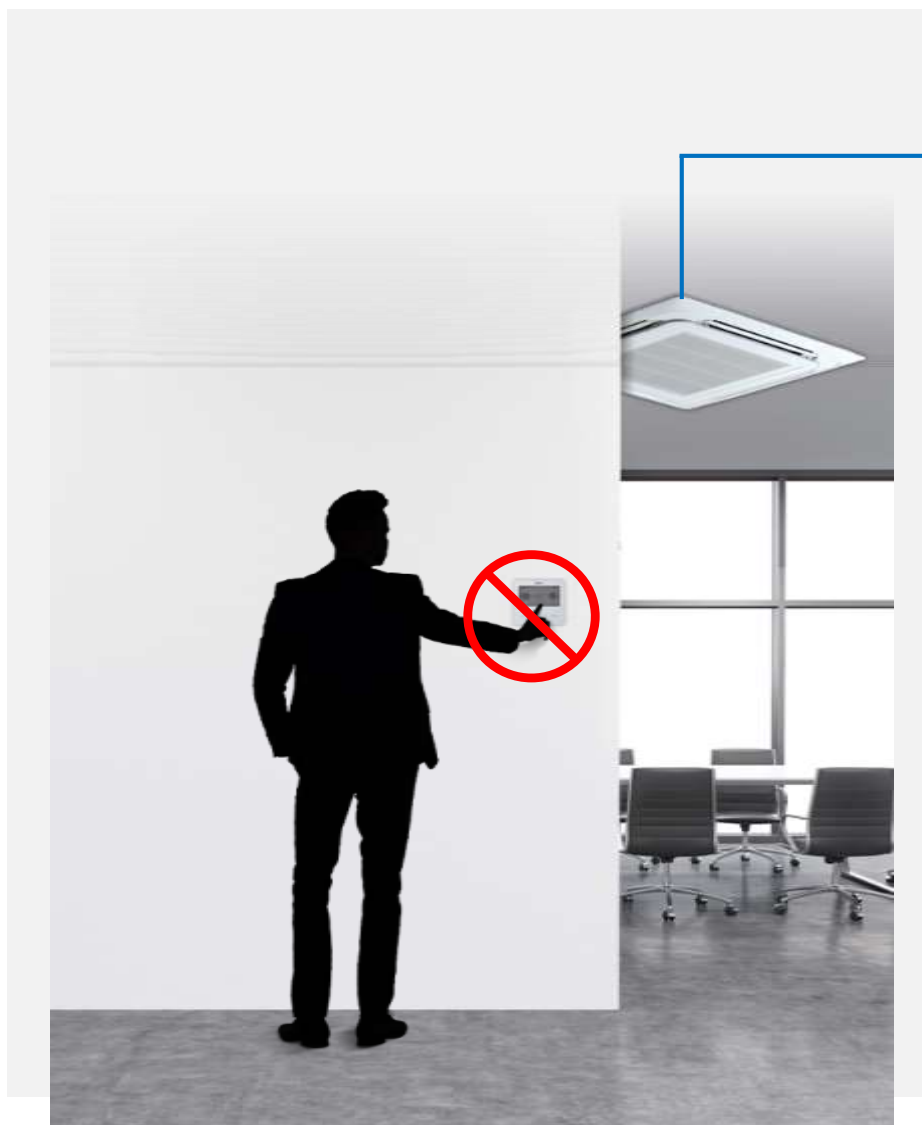
Schedule Back OK
Daily Schedule
Schedules & Edit
Exception Day



- ※ This function is for wired remote controller only.
- ※ Wired remote controller need to be purchased separately.

Appendix. Easy Management

With the mode lock feature, central control and building management can be easily achieved.



Total Lock

It locks all operation button of individual controller



Partial Lock

It locks partial function of individual controller



On/Off



Operation Mode



Set Temperature

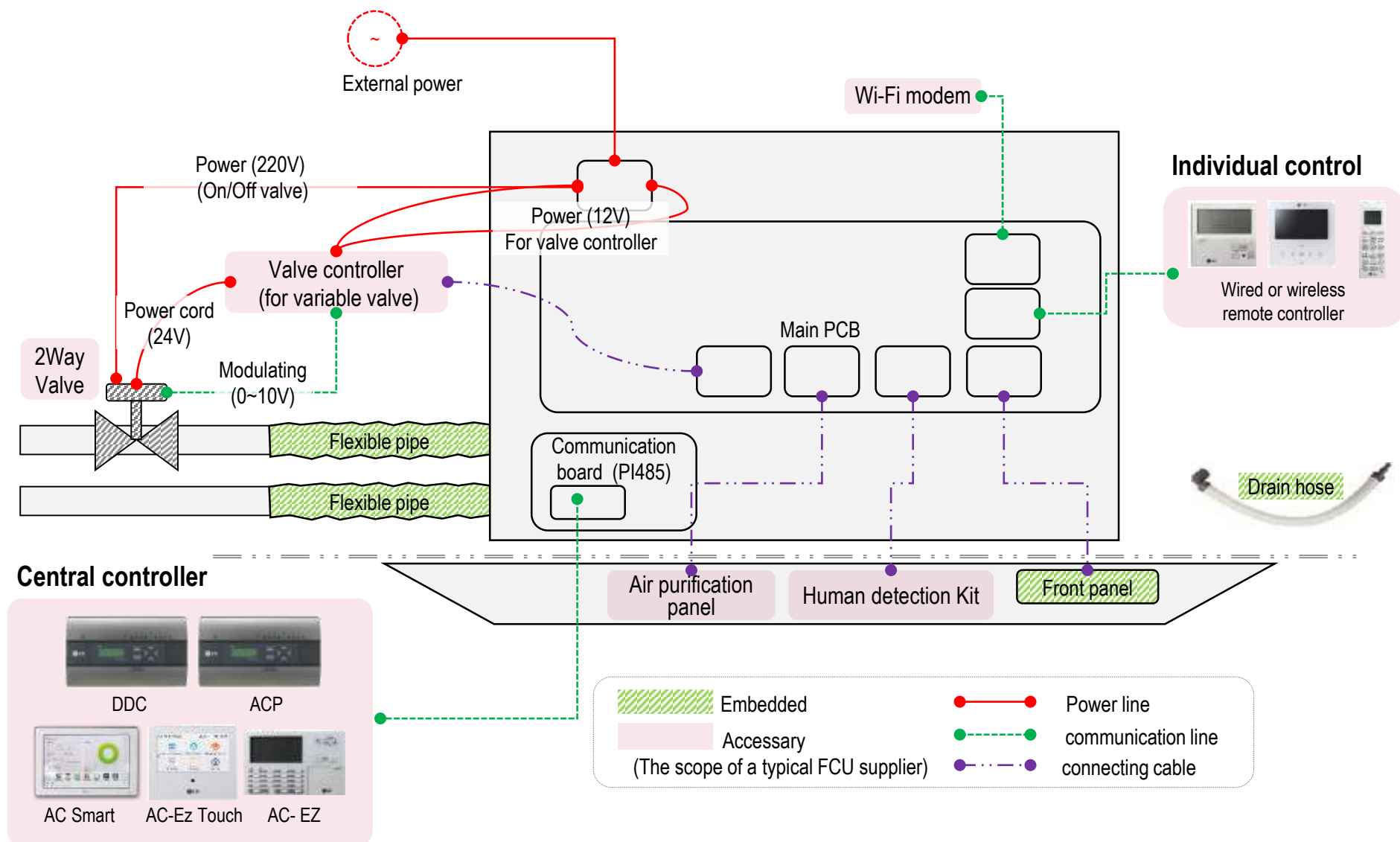


Fan Speed

※ For the difference of lock function between individual and central controller, please refer to the each product manual.

Appendix. Check the materials supply & work scope

The range of material supply and work scope may vary depending on the site situation, so consultation is required.



* Items purchased separately require consultation depending on on-site conditions, and additional costs will be incurred when adding items.

<Disclaimer>

1. This document is valid for a year from the updated date, and the content of the document after the expired date may differ from the actual product specifications such as performance, functions, etc.
2. Due to our policy of innovation, some specifications may be changed without notification.

