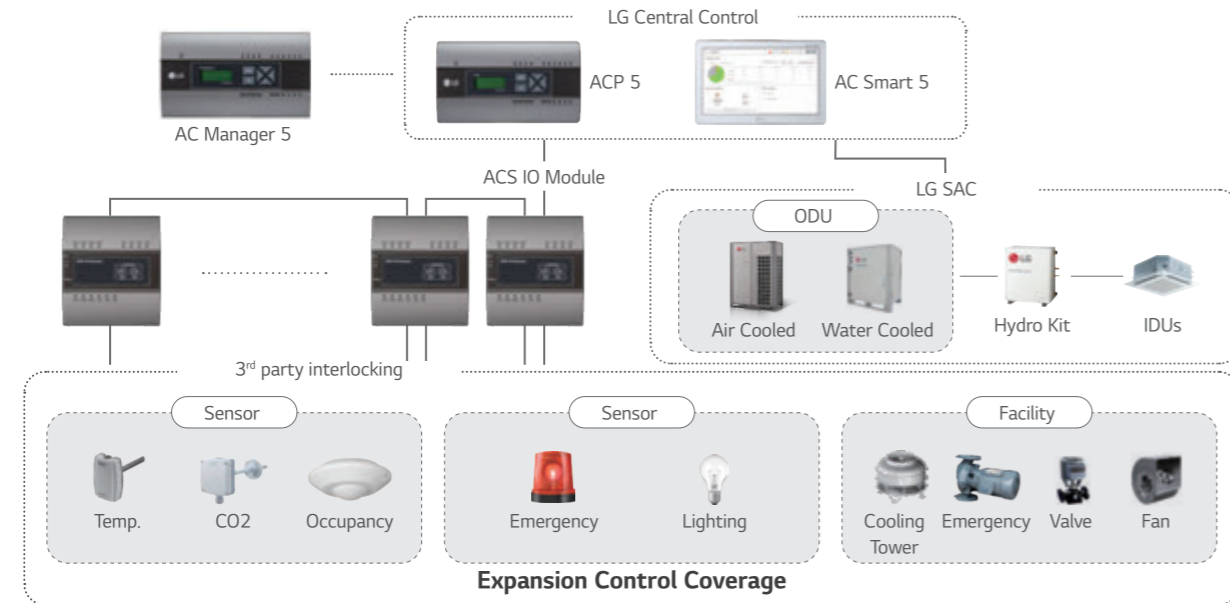


## ACS IO Module

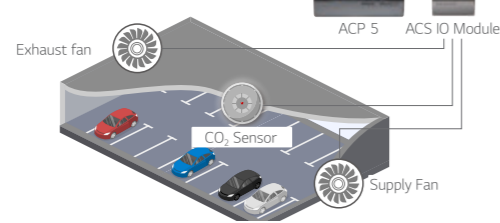


※ DI : Digital Input, DO : Digital Output, UI : Universal Input, AO : Analog Output

### Case. 1

#### Parking Lot Ventilation

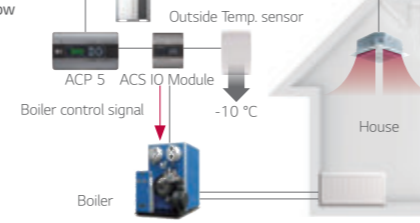
Turning on ventilator when CO<sub>2</sub> Level is high



### Case. 1

#### Auxiliary Heater

Turning on aux. heater when outside temp. is very low



## PEXPMB000

This module can be connected with ACP 5 or AC Smart 5 controller if additional I / O points such as DI / DO and AI / AO for 3rd party devices control and monitoring are needed.



### Features & Benefits

- Interlocking with 3<sup>rd</sup> party equipment, LG Central controller can make operation scenario with 3<sup>rd</sup> party equipment by ACS IO Module.
- Control coverage is expanded. (Air conditioner only → Sensors, Fans, Pumps, Switches ...)

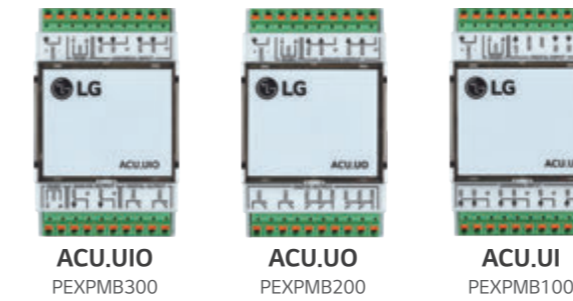
MODEL NAME		PEXPMB000	
Linkable Products		PAC55A000, PACP5A000	
Communication	RS-485	1 ch	
I / O	Digital Input	3 ports	
	Digital Output	3 ports	
	Universal Input <sup>1)</sup>	4 ports	
	Analog Output	4 ports	
VALUE SPEC		MIN.	MAX.
Analog Input	NTC 10k	0.68kΩ	177kΩ
	PT 1000	803Ω	1,573Ω
	Ni 1000	871.7Ω	1,675.2Ω
	DC (Voltage)	0V	10V
Analog Output	-	0V	10V
Digital Input	Binary Input (Non Voltage)	-	-
Digital Output	Normal open	-	30VAC / 30VDC, 2A

※ ○ : Applied, - : Not Applied  
 1) The type of UI (Universal Input) is selectable among Digital Input and Analog Input.  
 Note: ACS IO & ACU IO are not a replacement for Direct Digital Controller(DDC) or PLC.

## ACU IO Module

### PEXPMB300, PEXPMB200, PEXPMB100

This module can be connected with ACP 5 or AC Smart 5 controller if additional I / O points such as UIO / UI / UO for 3rd party devices control and monitoring are needed.



### Features & Benefits

- Interlocking with 3<sup>rd</sup> party equipment LG Central controller can make operation scenario with 3<sup>rd</sup> party equipment by ACU IO Module.
- Applicable devices are expanded. (Air conditioner only → Sensors, Fans, Pumps, Switches ...)

MODULE NAME	PEXPMB300	PEXPMB200	PEXPMB100
Linkable Products	PAC55A000, PACP5A000		
Communication RS-485	1 ch	1 ch	1 ch
Digital Input	-	-	3 ports
Digital Output	2 ports	6 ports	-
Universal Input <sup>1)</sup>	4 ports	-	6 ports
Analog Output	2 ports	4 ports	-

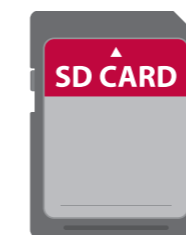
VALUE SPEC		MIN.	MAX.
Analog Input	DC (Voltage)	0V	10V
Analog Output	DC (Voltage)	0V	10V
Digital Input	Binary Input (Non Voltage)	-	-
Digital Output	Normal Open	-	30VDC, 1A

※ ○ : Applied, - : Not Applied  
 1) The type of UI (Universal Input) is selectable among Digital Input and Analog Input.

## Chiller Option Kit

### PCHLLN000

LG central controller 5 series with Chiller Option Kit can provide LG chiller remote control and cycle monitoring.



MODEL NAME	PCHLLN000
Monitoring Points	Evaporator status / Compressor status (Scroll, Screw, Centrifugal chiller only) / Condenser status / Generator status (Abs. chiller only)
On / Off	○
Target Temp. setting	○
Mode	Scroll chiller only
Schedule	○
Interfaceable Products	Scroll, Screw, Centrifugal, Absorption (LG Only)

※ ○ : Applied, - : Not Applied

### Installation Scene

- Chiller Option Kit installation of ACP, AC Smart should be conducted by a specialized installation service engineer.
- Chiller Option Kit installation can be achieved with a SD Card.
- The SD Card can install Chiller Option Kit in one ACP, AC Smart. Insert the SD Card in the ACP, AC Smart. If a backup SD Card is inserted, replace it with a Chiller Option Kit SD Card.



### Cycle Display Example

