



ENGLISH

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DEUTSCH

РУССКИЙ ЯЗЫК

OWNER'S MANUAL AIR CONDITIONER

Please read this manual carefully before operating your set and retain it for future reference.

TYPE : Simple Central Controller

MODEL : PQCSB101S0

P/NO : 3828A20467B

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Safety Precautions

- The installation requires expert skills, and it should be installed by the service center or other shops specialized in the installation and recognized by our company.
- For all the problems arising after installation by someone who has no relevant qualifications, LG will not provide free service.
- The following safety cautions are provided to prevent unexpected dangers or losses.

⚠ WARNING : If the user does not follow the mandatory items, it may result in serious injury or death.

⚠ CAUTION : If the user does not follow the mandatory items, it may cause personal injury or property damage.



: Warning and Caution are to call the user's attention to the possible danger. Read and follow them carefully in order to prevent a safety accident.

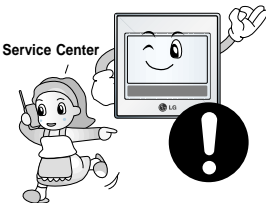


: Warning and Caution are indicated in this guide and the product itself to help protect the users from danger.

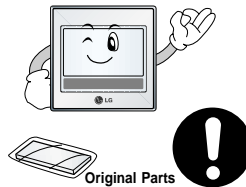
⚠ WARNING

■ Installation

Entrust installation of the product to the service center because improper installation may cause fire, an electric shock, explosion, and physical injury.



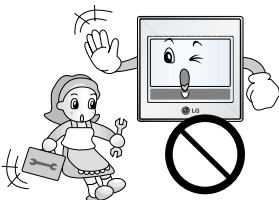
Use the original parts in order to prevent fire, an electric shock, explosion, and product breakdown.



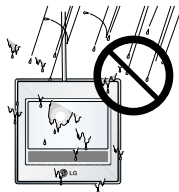
Keep combustible and/or inflammable materials away from the product in order to prevent fire or product breakdown.



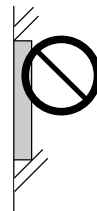
Do not disassemble, repair, or modify the product at your discretion in order to prevent fire or an electric shock.



Do not install the product in wet and humid areas in order to prevent product breakdown.

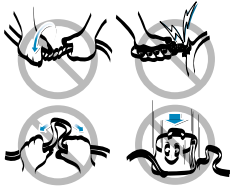


Do not expose the product to the sun in order to prevent product breakdown.

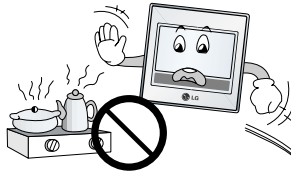


■ In-use

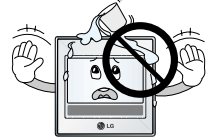
Do not modify or lengthen the power cable at your discretion. It may cause fire or an electric shock.



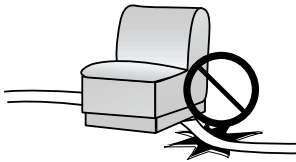
Do not place a heating device near the product. It may cause fire.



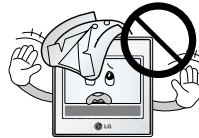
Do not drop water on to the product. It may cause an electric shock or product breakdown.



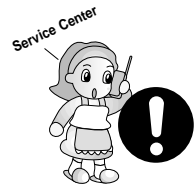
Do not place something heavy on the power cable. It may cause fire or an electric shock.



Do not place a heavy thing on the product. It may cause product breakdown.

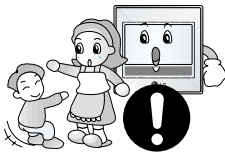


If the product was submerged under water, ask the service center for instruction. It may cause fire or an electric shock unless you do that.



▲ CAUTION

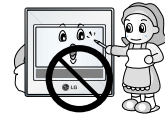
Make sure children or senior citizens use the product under proper observation in order to prevent safety accident.



Do not subject the product to shock. It will cause product breakdown.

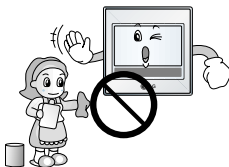


Do not pick the product with a sharp tool. It may cause product breakdown with the damage to its parts.



■ In-use

Do not clean the product with strong cleanser such as solvent. Use soft clothes in order to prevent fire or product deformation.



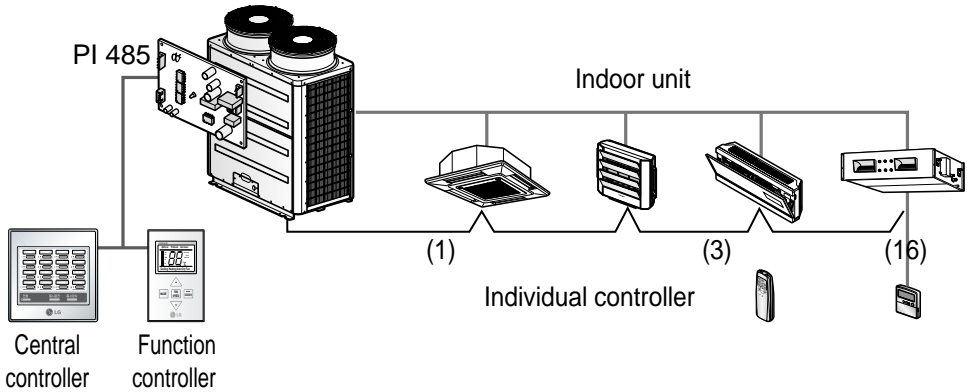
Do not touch the product with a wet hand. Do not pull the lead cable. It may cause product breakdown or an electric shock.



Before Use

System Drawing

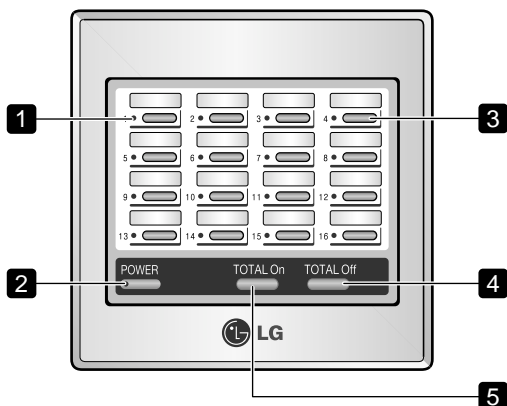
Total 128 indoor units can be controlled by central controllers using function controller along with. Function controller is connected as shown below.



• Function controller and PI 485 are sold separately.

Name of Each Part

Central controller



1. On/Off status display LED (total 16EA)

Displays the status of the indoor unit if individual On/Off button is pressed.

- Cooling/dehumidification/blowing operation: Green
- Heating operation: Orange
- Failure of product: Red
- Stop: Off

2. Power display LED

- Application of power: Green
- No power: Off
- During control: Flickering

3. Individual On/Off button (total 16EA)

On/Off control of the connected indoor units.

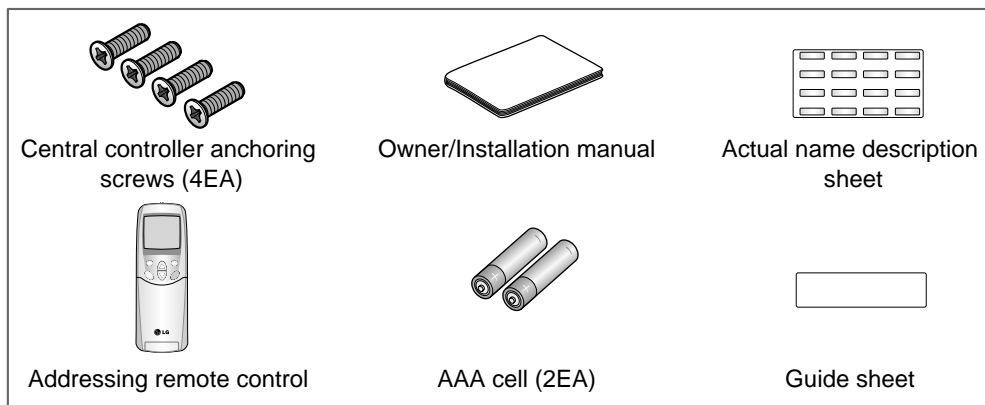
4. Total Off button

Sequentially turns off all indoor units connected to it.

5. Total On button

Sequentially starts all indoor units connected to it.

Annexed parts

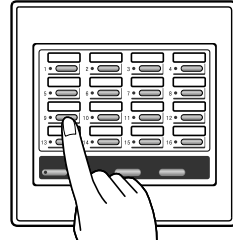


Operation Tips

Control of On/Off operation

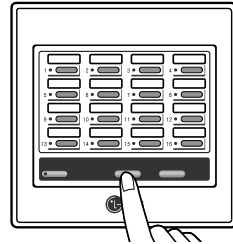
Individual Operation

1. Press the individual On/Off button, then the equivalent unit starts and LED is on.
2. If pressing the individual On/Off button, equivalent unit stops and LED is off.

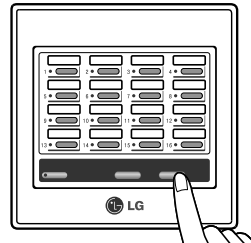


Total Control for Each Group

- Press Total On button, then all units of that group operate sequentially and LED is on.

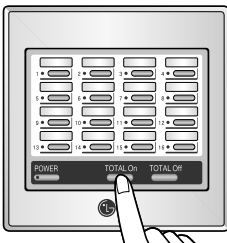


- Press Total Off button, then each group units stop sequentially and LED is off.

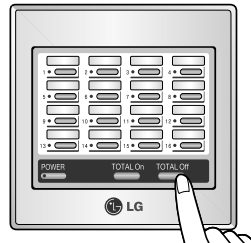


Total On/Off Operation (master & slave combination)

1. Press Total On button for more than 2sec, then all linked units start sequentially and their LEDs turn on.



2. Press Total Off button for more than 2sec, then all linked units stop sequentially and their LEDs turn off.



- Mode change function doesn't work when the function controller is connected with the system.

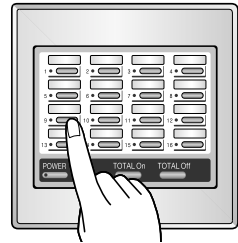
Mode Change

Operating mode change for individual indoor unit

While changing the operating mode of the indoor unit, press the individual Operate/Stop button for 2 seconds and the operating mode of the applicable indoor unit will change from cooling to heating mode or from heating to cooling mode.

When the indoor unit is running in the cooling mode, the status indicator LED would be green and when the indoor unit is running in the heating mode, it will be orange.

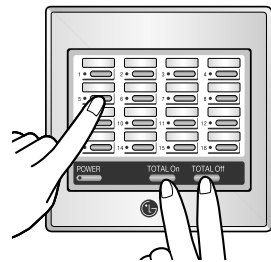
✳ This is applicable to heatpump models only.



Operating mode change for group of indoor units

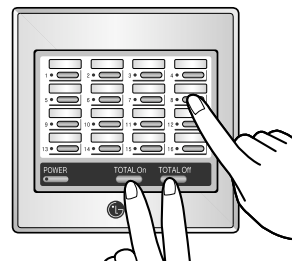
1. Cooling operation of group of indoor units

Press the Total On, Total Off and no. 5 button simultaneously to change all indoor units to cooling mode through the Central controller and the LEDs will turn green.



2. Heating operation of group of indoor units

Press the Total On, Total Off and no. 8 button simultaneously to change all indoor units to heating mode through the Central controller and the LEDs will turn orange.



• Control is available only by central controller & control by individual remote controller is impossible

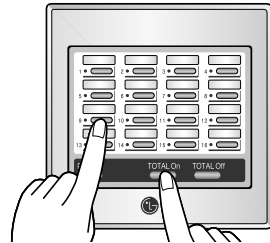
Setting Individual Lock

Setting individual lock

Press Total On and individual On/Off button at the same time.

- In this case, equivalent unit is controlled only by Central controller.

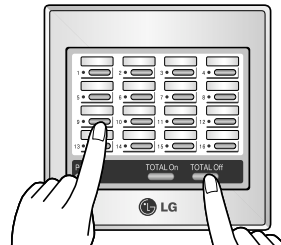
After lock function is set, the equivalent LED of locked unit blinks for 5 sec.



Cancellation

Press, Total Off and individual On/Off button at the same time to cancel the lock function.

After lock function is canceled, the equivalent LED of unlocked unit blinks for 5 sec.

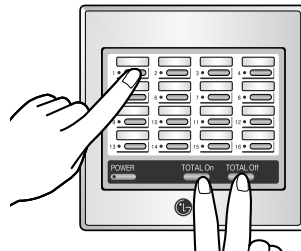


Setting Total Lock for Each Group

Setting total lock

Press Total On, Total Off and no. 1 button at the same time.

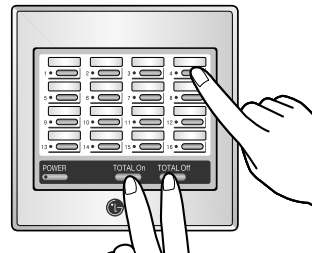
- All linked units are now controlled only by central controller, control of main body is impossible. After lock function is set, LEDs of all locked units blink for 5 sec.



Cancellation

Press Total On, Total Off and no. 4 button at the same time.

- Lock of all units is cancelled and the LEDs of all unlocked units blink for 5 sec.



Check of the locked units

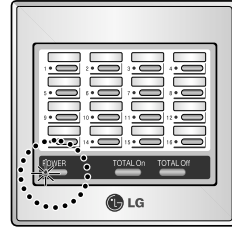
Press Total On and Total Off

- LED of locked units blinks for 5 sec.

Connected Indoor Unit Search Function

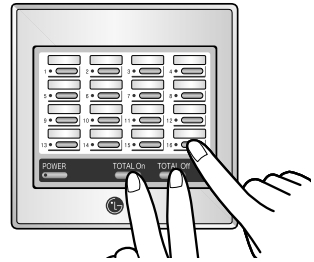
Automatic search

When power is connected to the Central controller set as master, LEDs from no. 1 to 16 will light up in sequence and automatically runs a search for all the connected indoor units for 3 minutes. This is generally the just operation after the installation of the controller.



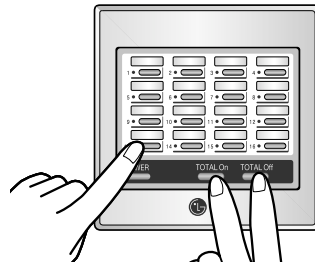
Indoor unit re-search

If all indoor units have not been searched during the automatic search, press the Total On, Total Off and no. 16 button simultaneously to re-search all the connected indoor units from no. 1 to 16 by lighting up the LEDs in sequence.



Connected indoor unit indication

Press the Total On, Total Off and no. 13 button simultaneously and all LEDs of the indoor units connected to a group/central controller and the power LEDs will flash simultaneously to notify which indoor units are connected to the central controller.



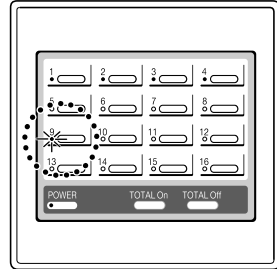
Self Diagnosis for Indoor unit

Normal

The On/Off status indicator LED of individual indoor unit is On/Off (depends upon unit state)

Error condition

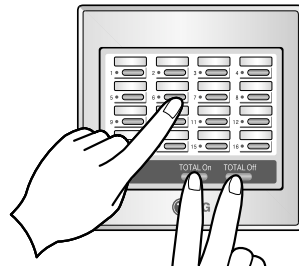
If there is an error in the indoor unit, the On/Off status indicator LED of the that indoor unit turns red and when it recovers normal condition, the LED will turn green or orange depending on the operating mode.



Set Group Inquiry

Press the Total On, Total Off and no. 6 button simultaneously. The On/Off status indicator LED equivalent to the group number set in the controller will flash.

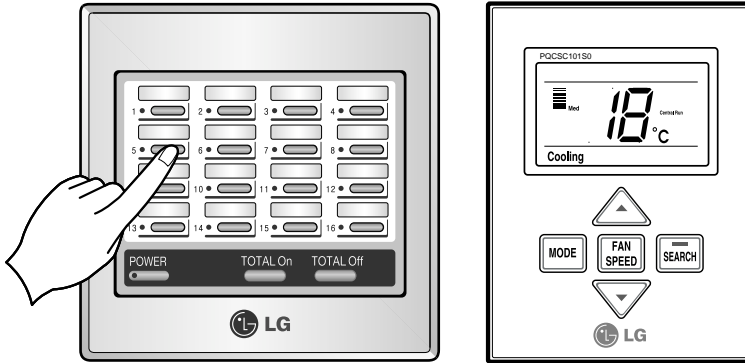
e.g. If LED 2 blinks, the group no. is 1.



Function Controller Connection

Individual indoor unit control

1. Press the individual On/Off button of the central controller and select the indoor unit to be controlled. Now the applicable indoor unit will start or stop.
2. Function controller indicates the operating status of the selected indoor unit and makes it to change the condition to adjust the wind/set temperature of the operating mode.

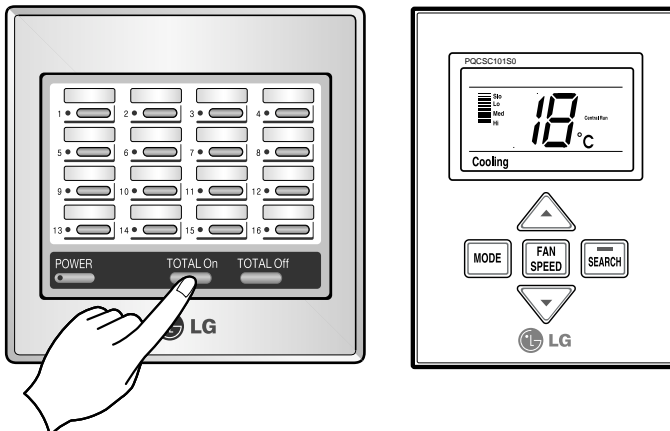


Group indoor unit control(1 group)

1. Press Total On/Total Off button of the Central controller. Then all the connected units will operate/stop.
2. Function controller indicates the operating status of the first indoor unit of that group if no settings have been made at functional controller.
3. However all indoors can also work under same running conditions as a group by making settings at the functional controller.

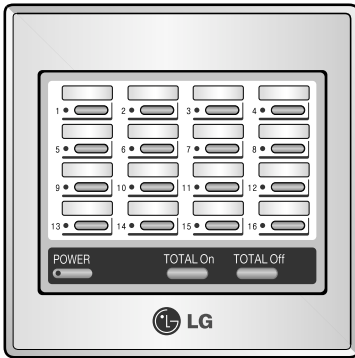
All Groups (master & slave) Indoor Unit Control

1. Press Total On/Total Off button for more than 3 seconds. Then all indoor units connected to whole network will start/stop.
2. Function control displays the operating status of the first indoor unit of master controller only. It also display "Total on" on its screen. Now the settings can be done for all groups using function controller.

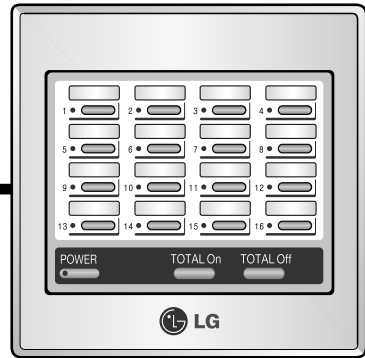


Group selection from Master Central Controller

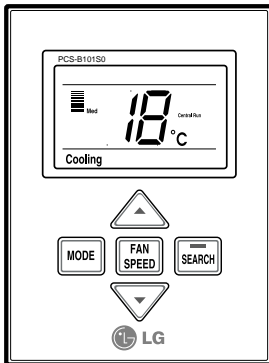
1. Press the On/Off button for more than 3 seconds on the master Central controller equivalent to the group no. of slave controller whose indoor units you want to turn On.
 ex) Press the no. 2 button on master Central controller for more than 3 seconds. Now all the indoor units of slave/group 1 will be turned on.
2. Function controller of the selected slave controller displays the operating status of the first indoor unit. It also displays "Total on" on its screen. Now the setting can be done for whole group/slave indoor units using function controller.



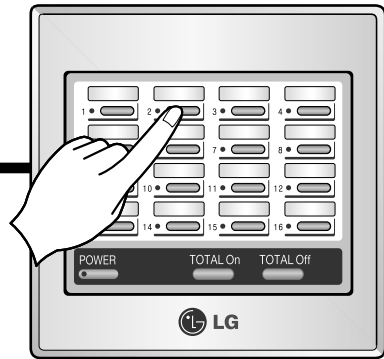
Slave no. 3 group



Slave no. 2 group



Function controller



Master no. 1 group

Indoor unit search

1. Select the search button of the function controller.
2. The On/Off status indicator LED of the applicable indoor unit of the central controller will flash for 5 seconds to indicate that the function control is in progress.

