



OWNER'S & INSTALLATION MANUAL

AIR CONDITIONER

Please read this installation manual completely before installing the product.
Please retain this installation manual for future reference after reading it thoroughly.

Applied(AHU) / AHU CONTROLLER
Original instruction

Manufacturer : LG Electronics Inc.
84, Wanam-ro, Seongsan-gu, Changwon-si, Gyeongsangnam-do, KOREA
UK Importer : LG Electronics U.K. Ltd Velocity 2, Brooklands Drive, Weybridge, KT13 0SL

Eco design requirement

- The information for Eco design is available on the following free access website.
<https://www.lg.com/global/support/cedoc/cedoc>



MFL71407556
Rev.07_100225

This manual is the simplified version of original manual.
You can obtain the original manual from website.


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ENGLISH	ITALIANO	ESPAÑOL	FRANÇAIS	DEUTSCH	ΕΛΛΗΝΙΚΑ	ČEŠTINA	NETERLANDS	POLSKI	LIMBA ROMÂNĂ
PORTUGUÊS	MAGYAR	БЪЛГАРСКИ	SRPSKI	HRVATSKI	SVENSKA	NORSK	SUOMI	DANSK	EESTI KEEL
MALTI	SLOVENČINA	SLOVENŠČINA	LATVIŠU VALODA	LIETUVIŲ KALBA	GAEILGE	МАКЕДОНСКИ	SHQIP	BOSANSKI	العربية

SAFETY INSTRUCTIONS

The following safety guidelines are intended to prevent unforeseen risks or damage from unsafe or incorrect operation of the appliance. The guidelines are separated into 'WARNING' and 'CAUTION' as described below.

 This symbol is displayed to indicate matters and operations that can cause risk.

Read the part with this symbol carefully and follow the instructions in order to avoid risk.

WARNING

This indicates that the failure to follow the instructions can cause serious injury or death.

CAUTION

This indicates that the failure to follow the instructions can cause the minor injury or damage to the product.

WARNING

- Installation or repairs made by unqualified persons can result in hazards to you and others.
- The information contained in the manual is intended for use by a qualified service technician familiar with safety procedures and equipped with the proper tools and test instruments.
- Failure to carefully read and follow all instructions in this manual can result in equipment malfunction, property damage, personal injury and/or death.

Installation

- For installation of the product, always contact the service center or a professional installation agency.
 - Otherwise, it may cause fire, electrical shock, explosion or injury.
- Securely attach the electrical part cover to AHU CONTROLLER.
 - If the electric part cover of AHU CONTROLLER is not attached securely, it could result in a fire or electric shock due to dust, water, etc.

- Do not keep or use flammable gases or combustibles near the equipment.
 - Otherwise, it may cause a fire or the failure of product.
- Do not install, remove or reinstall the unit by yourself.
 - Otherwise, it may cause a fire, electrical shock, explosion or injury.
- Do not disassemble or repair the product randomly.
 - It will cause a fire or electrical shock.
- Do not install the product in a place where there is the concern of falling down.
 - Otherwise, it may result in personal injury.
- Use caution when unpacking and installing.
 - Sharp edges may cause injury.
- Always ground the product.
 - There is risk of fire or electric shock.
- Do not install the product on a non-parallel or defective installation stand.
 - It may cause injury, accident, or damage to the product.
- The appliance shall be installed in accordance with the national wiring regulation.

Operation

- Keep flames away.
 - Otherwise, may occur a fire.
- Do not use the power cord near the heating tools.
 - Otherwise, it may cause a fire and electrical shock.
- Do not allow water to run into electrical parts.
 - Otherwise, it may cause the failure of machine or electrical shock.
- Be cautious that water could not enter the product.
 - Otherwise, it may cause a fire electrical shock or product damage.
- Do not place a heavy object on the power cord.
 - Otherwise, it may cause a fire or electrical shock.
- When the product is submerged into water, always contact the service center.
 - Otherwise, it may cause a fire or electrical shock.
- The Ingress Protection Marking given in this manual as IP20 restricts installation location, LG Electronics is not responsible for installation locations non-compliant to IP20.

CAUTION

Installation

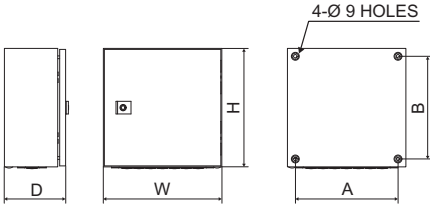
- Do not install the product in direct sunlight.
- If anyone other than a licensed professional installs, repairs, or alters LG Electronics air conditioning products, the warranty is voided.
 - All costs associated with repair are then the full responsibility of the owner.
- Do not insert a drain hose in drain or soil pipe.
 - Bad smells can occur and it results in a corrosion of a heat exchanger or pipe.
- Do not install the unit in potentially explosive atmospheres.
- (Australia only) This product must be installed by a professional installer.
- After the installation of the product in the customer premises, fully remove all product packaging (including any expanded or moulded plastic packaging materials) and recycle or dispose of such packaging responsibly. Do not dispose any expanded plastic packaging in the household bin.

Operation

- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
 - Children should be supervised to ensure that they do not play with the appliance.
 - Appliances not accessible to the general public.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

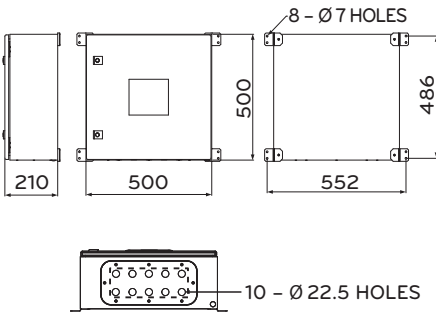
PRODUCT DIMENSION

Communication kit

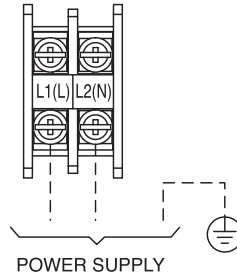


Model	Size				
	W	D	H	A	B
PAHCMR000	300	155	300	260	260
PAHCMS000	380	155	300	340	260

Control kit



Electric Wiring Work



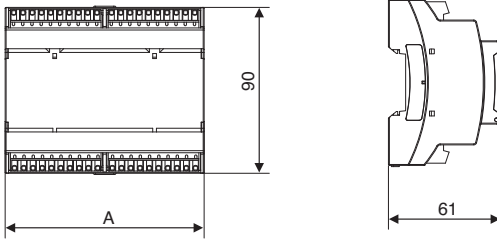
Minimum cross-sectional area of conductors

Rated current of appliance A	Nominal cross-sectional area mm^2
0.1	2.5

CAUTION

- All field supplied parts and materials and electric works must be conform to local codes.
- Use copper wire only.
- All wiring must be performed by an authorized electrician.
- A main switch or other means for disconnection, having a contact separation in all poles, must be incorporated in the fixed wiring in accordance to relevant local and national legislation.
- Refer to the installation manual attached to the outdoor unit for the size of power supply electric wire connected to the outdoor unit, the capacity of the circuit breaker and switch, wiring and wiring instructions.
- The power cord should be complied with IEC 60245 or HD 22.4 S4 (Rubber insulated cord, type 60245 IEC 66 or H07RN-F)

CONTROLLER MODULE



Model	Size	Remark
	A	
PAHCMM000	162	Main module
PAHCMC000	108	Communication module

⚠ CAUTION

- This model requires DC12 V ~ external power supply. (Select an insulating transformer that complies with IEC61558-2-6 and NEC Class 2.)
- Please check the Product operation range below.
 - It must only be supplied at SELV.

Power supply		DC 12 V
Product operation range	Ambient Temperature	-20 ~ 65 °C DB
	Humidity	0 ~ 98 % (Non-Condensing)

Electric Characteristics

- Recommended circuit breaker is ELCB.
- MFA is used to select the circuit breaker and ground fault circuit interrupter.
- Refer to the PDB about detail electric characteristics.



Recycling Info.
EPR registration number :
11595375254588000000

ELCB : Earth Leakage Circuit Breaker
MFA : Maximum Fuse Amperes(A)
PDB : Product Data Book

Rated Current (A)	Sectional Area (mm ²)
≤ 0.2	Tinsel cord
> 0.2 and ≤ 3	0.5
> 3 and ≤ 6	0.75
> 6 and ≤ 10	1
> 10 and ≤ 16	1.5
> 16 and ≤ 25	2.5
> 25 and ≤ 32	4
> 32 and ≤ 40	6
> 40 and ≤ 63	10