



ENGLISH

E-II-AMR02Y

INSTALLATION MANUAL

**CENTRAL CONTROL MONITOR
AMR02Y**



For correct installation, read this manual before starting installation.

Only trained and qualified service personnel should install, repair or service air conditioning equipment. Users should not install the air conditioner by themselves.

All pictures are only sketches. If there is any difference between pictures in this manual and the actual shape of the air conditioner you purchased, the actual shape shall prevail.

SAFETY PRECAUTIONS

- Please read this safety precaution carefully before installation.
- Do observe the following safety precautions, for they are very important.
- Meaning of marks:

 CAUTION	This sign warns of risk of death or serious injury
 NOTE	This sign warns of injury or damage to property

- Confirm there is no abnormal phenomena during test operation after installation completed, then hand the manual to the user.

CAUTION

Installation must be conducted by professionals.
Others may perform improper installation which cause electric shock or fire.

Follow this manual as strictly as possible. Improper installation may cause electric shock or fire.

Another installation must be performed by professionals. Improper installation may cause electric shock or fire.

Don't disassemble your air conditioner at will.
A random disassembly may cause abnormal operation or heating, which may result in fire.

NOTE

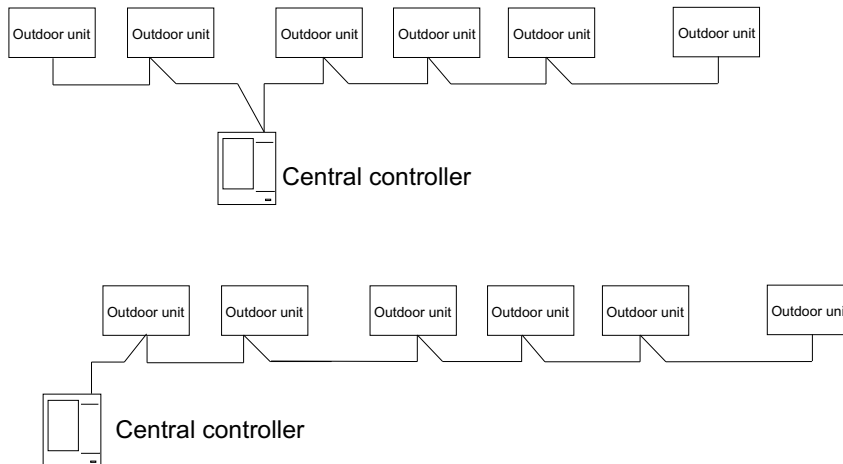
Wire must be suitable for the current of Central Control Monitor.
Otherwise electricity leakage or heating may be caused, which may result in fire.

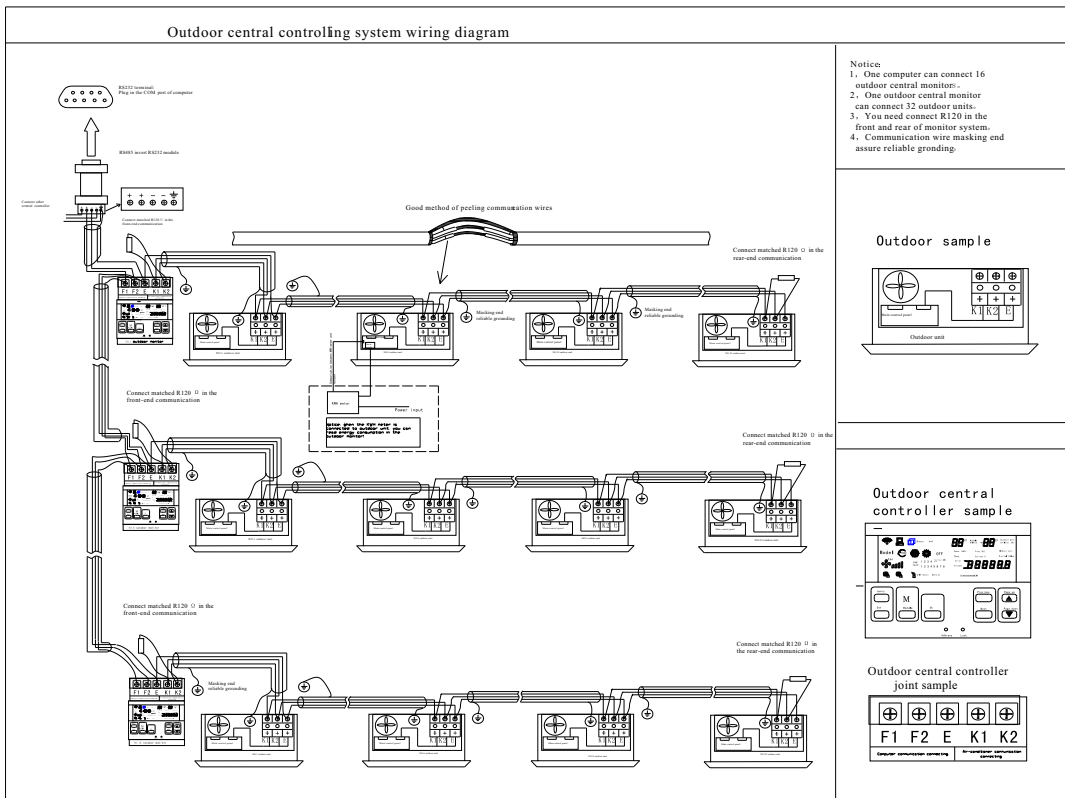
Don't install it in a place where combustible gas easily leaks
Once combustible gas leaks and remains around Central Control Monitor, fire may be caused.

SYSTEM WIRING

Wiring Sketch Map of CCM and Outdoor Units

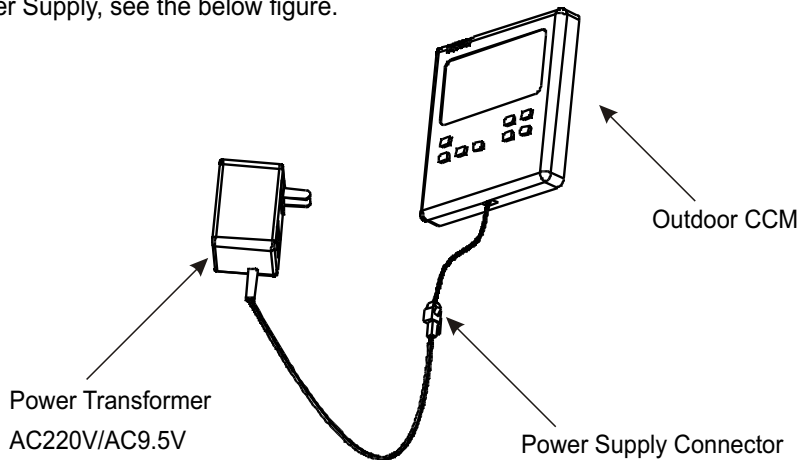
Both of following connection is correct (Total outdoor units number under one central controller ≤ 32)



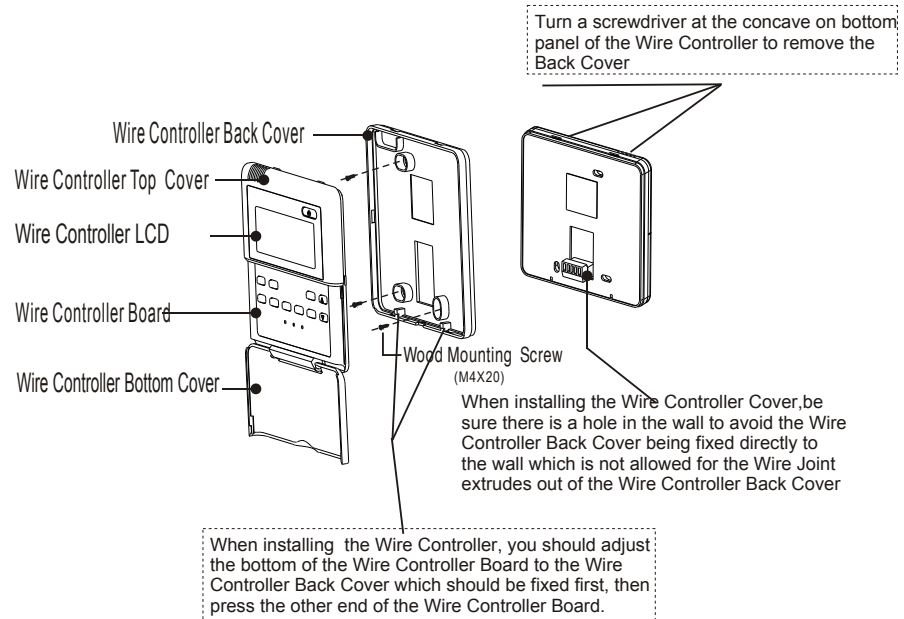


Remarks:

1. In the wiring, the part from Rs485 to Rs232 is only needed when connecting with PC. And one PC can connect max. 16 outdoor CCM and 16 indoor CCM.
2. One outdoor CCM can connect max. 32 outdoor units. One indoor CCM can connect max.64 indoor units.
3. The address of outdoor CCM and the address of outdoor units are set by manual. Please refer to their owner's manual for setting.And the address of any two outdoor CCM can't be the same, or the system can't work normally.
4. Power Supply, see the below figure.



Installation Method



NOTE

- Never turn screws too tightly, or else the cover would be dented or the Liquid Crystal breaks.
- Please leave enough long cable for maintenance of the Wire Controller Board.

Other Precautions

Installation Location

Do not install it in a place with oil, steam or sulphur gas, or else deform or malfunction may occur.

Preparation Before Installation

1. Make sure the following parts has been prepared

Number	Name	Quantity	Note
1	Central Controller	1	AMR02Y
2	Wood Mounting Screw	3	M4X20 (For Mounting on the Wall)
3	Mounting Screw	3	M4X25 (For Mounting on the Electrical Switch Box)
4	Installation Manual	1	_____
5	Owner's Manual	1	_____
6	Power Transformer	1	AC 220V Input, AC 9.5V Output
7	Network Match Resistance	1	120ohm

2. Preparing for the following at site

Number	Name	Quantity		Remarks
		Install into the Wall	Install On the Wall	
1	3-core Shield Cable RVVP-300/300 3×0.75mm	2	1	One for communication with NIM, One for communication with PC
2	Switch Box	1	—	—
3	Wiring Tube (Insulating Sleeve and Tightening Screw)	2 or 3	—	—

Central Controller Installation Notice

1. Never connect the network communication wire with strong power or put it into the same Wiring Tube with the strong power. And at least 300-500mm distance should be left between their wiring tubes.
2. The shield cable must be connected stable to the ground, or transmission may fail.
3. Do not attempt to extend the shield cable by cutting.
4. After finishing connection, do not use Megger to have the insulation check to the signal wire.

DE - COMMISSIONING DISMANTLING & DISPOSAL

This product contains refrigerant under pressure, rotating parts, and electrical connections which may be a danger and cause injury!

All work must only be carried out by competent persons using suitable protective clothing and safety precautions.



Read the Manual



Risk of electric shock



Unit is remotely controlled
and may start without warning

1. Isolate all sources of electrical supply to the unit including any control system supplies switched by the unit. Ensure that all points of electrical and gas isolation are secured in the OFF position. The supply cables and gas pipework may then be disconnected and removed. For points of connection refer to unit installation instructions.
2. Remove all refrigerant from each system of the unit into a suitable container using a refrigerant reclaim or recovery unit. This refrigerant may then be re-used, if appropriate, or returned to the manufacturer for disposal. **Under No circumstances should refrigerant be vented to atmosphere.** Where appropriate, drain the refrigerant oil from each system into a suitable container and dispose of according to local laws and regulations governing disposal of oily wastes.
3. Packaged unit can generally be removed in one piece after disconnection as above. Any fixing down bolts should be removed and then unit lifted from position using the points provided and equipment of adequate lifting capacity. Reference MUST be made to the unit installation instructions for unit weight and correct methods of lifting. Note that any residual or spilt refrigerant oil should be mopped up and disposed of as described above.
4. After removal from position the unit parts may be disposed of according to local laws and regulations.



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