

# CENTRAL MONITOR CONTROL INSTALLATION MANUAL



MODEL: SYSCONTROL CWC 02

Version: MDV11I-002BW  
202055100715

Thank you very much for purchasing our product.  
Before using your unit, please read this manual carefully and keep it for future reference.

## SAFETY PRECAUTION

- Read the safety precautions carefully before installing the unit.
- Stated below are important safety issues that must be obeyed.
- Conform there is no abnormal phenomena during test operation after complete, then hand the manual to the user.
- Meaning of marks:

	<b>WARNING</b>	Means improper handling may lead to personal death or severe injury.
	<b>CAUTION</b>	Means improper handling may lead to personal injury or property loss.



### WARNING

**Please entrust the distributor or professionals to install the unit.**  
Installation by other persons may lead to imperfect installation, electric shock or fire.

**Strictly follow this manual.**  
Imporper installation may lead to electric shock or fire.

**Reinstallation must be performed by professionals.**  
improper installation may lead to electric shock or fire.

**Do not disassemble your air conditioner at will.**  
A random disassembly may cause abnormal operation or heating, which may result in fire.



### CAUTION

**Do not install the unit in a place vulnerable to leakage of flammable gases.**  
Once flammable gases are leaked and left around the wire controller, fire may occure.

**The wiring should adapt to the wire controller current.**  
Otherwise, electric leakage or heating may occur and result in fire.

**The specified cables shall be applied in the wiring. No external force may be applied to the terminal.**  
Otherwise, wire cut and heating may occur and result in fire.

## OTHER PRECAUTIONS

### Installation Location

Do not install the unit in a place with much oil, steam, sulfide gas. Otherwise, the product may deform and fail.

### Preparation before installation

1. Check whether the following assemblies are complete.

No.	Name	Qty.	Remarks
1	Central Controller	1	MD-CCM02/E( or KCC-22)
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 8.5V Output
7	Network Match Resistance	1	120rhms

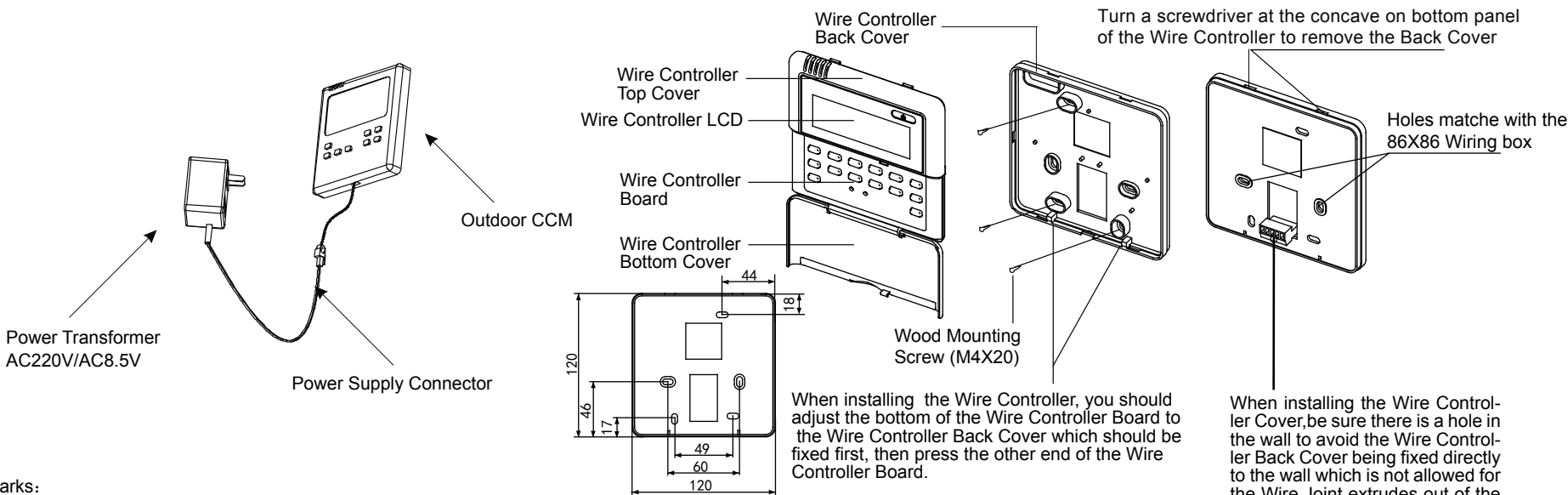
2. Prepare the following assemblies on the site.

No.	Name	Qty.		Remarks
		embeded into wall	embeded onto 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	_____	_____

### Note to installation of wire controller:

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.

## INSTALLATION PROCEDURE



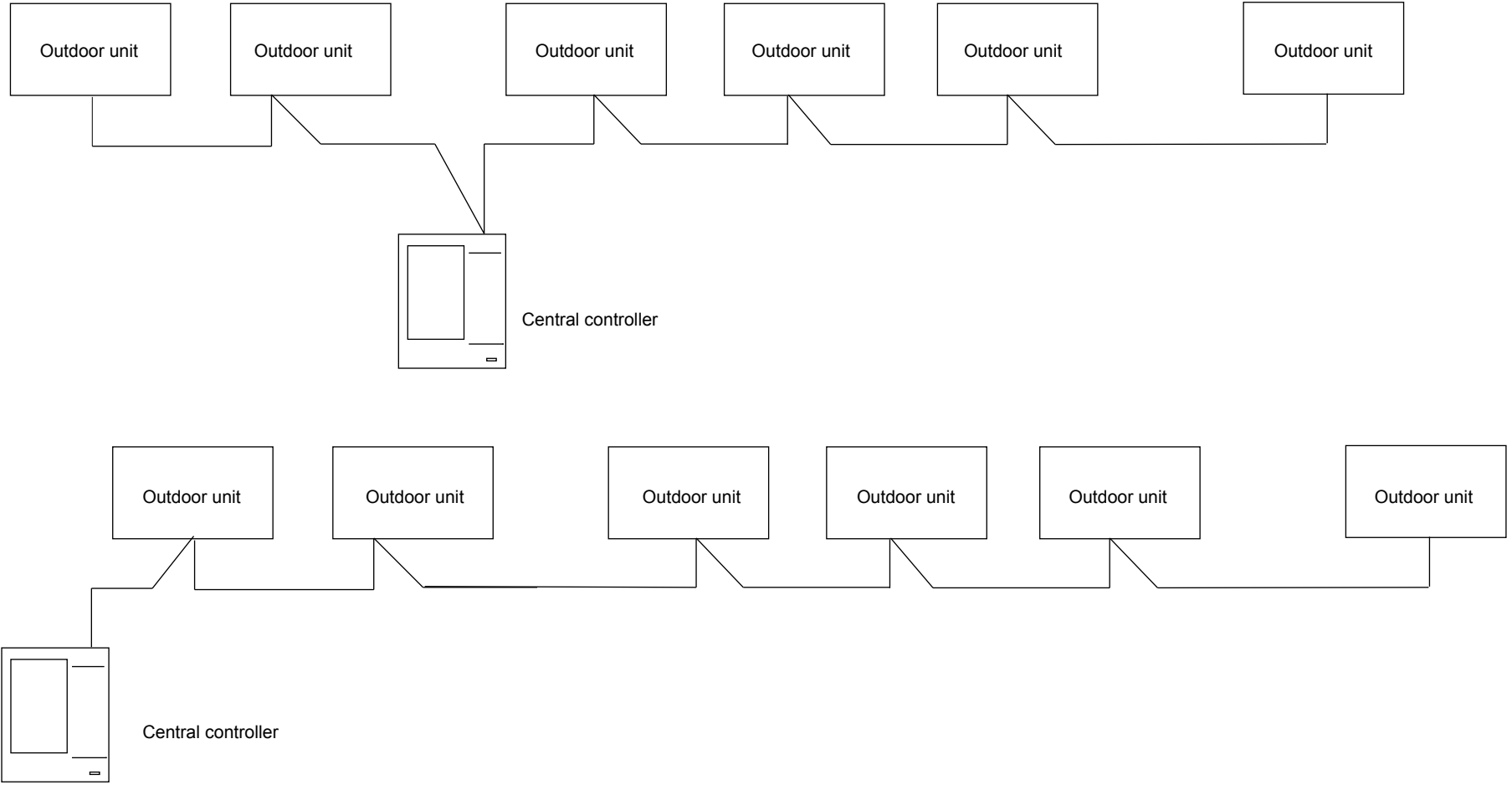
- Remarks:
1. In the wiring, the part from Rs485 to Rs232 is only needed when connecting with PC. And one PC can connect max. 16 outdoor CCM and 16 indoor CCM.
  2. One outdoor CCM can connect max. 32 outdoor units. One indoor CCM can connect max.64 indoor units.
  3. The address of outdoor CCM and the 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.



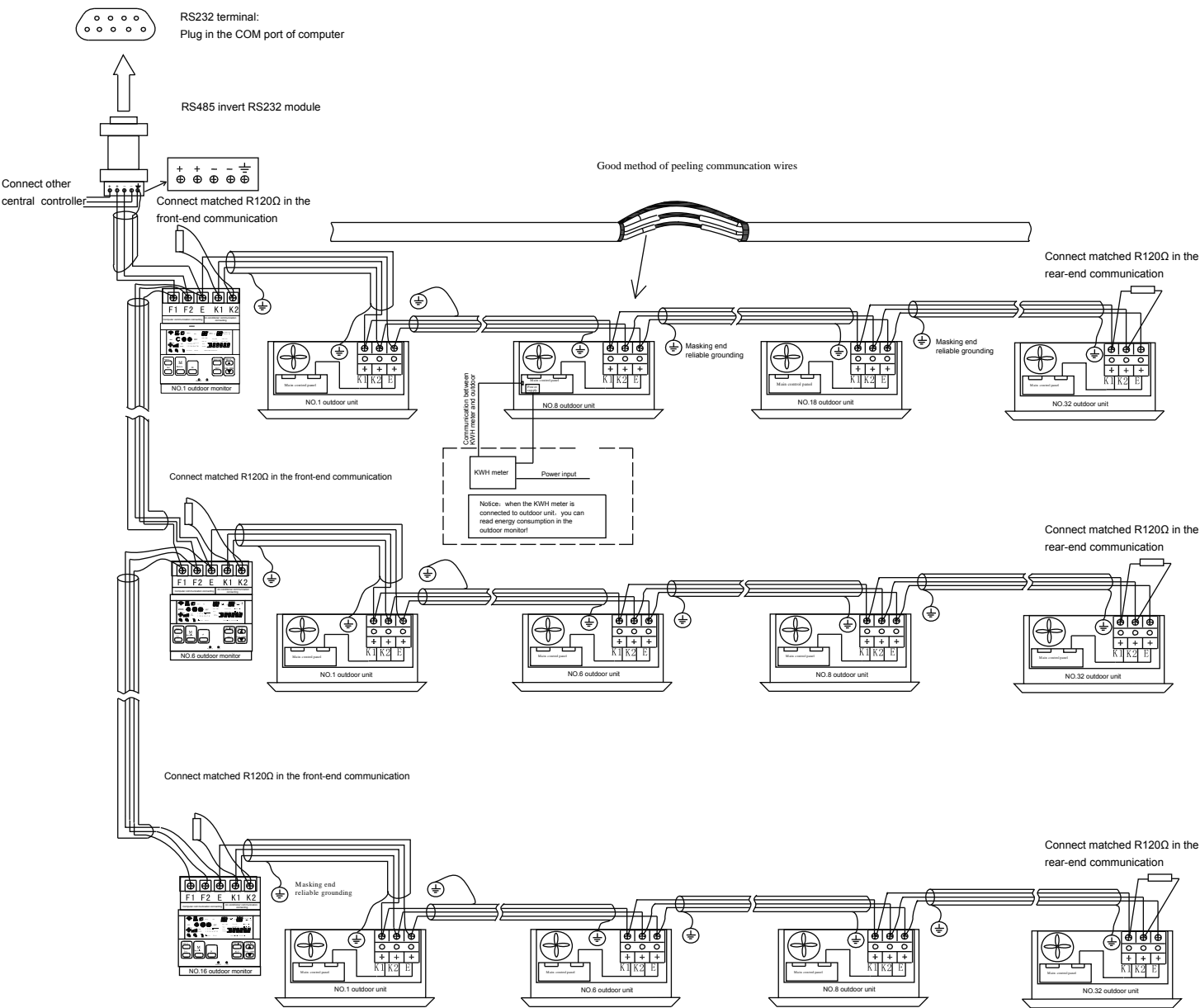
### CAUTION

- 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.

Wiring Sketch Map of CCM and Outdoor Units  
Both of following connection is correct(Total outdoor units number under one central controller ≤32)



Outdoor central controlling system wiring diagram



- Notice:
- 1. One computer can connect 16 outdoor central monitors.
  - 2. One outdoor central monitor can connect 32 outdoor units.
  - 3. You need connect R120 in the front and rear of monitor system.
  - 4. Communication wire masking end assure reliable grounding.

