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„ORIGINAL INSTRUCTIONS“

IMPORTANT NOTE:

Read this manual carefully before installing or operating your new air conditioning unit. Make sure to save this manual for future reference.

Specification

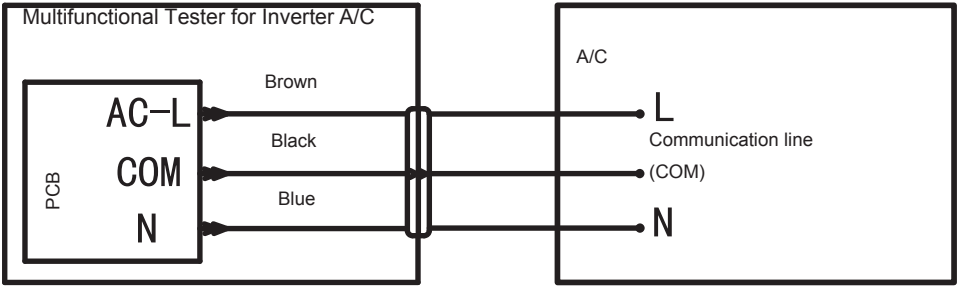
Product model	GT2A3Ac
Product code	TL118002700
Rated voltage	220-240V~
Isolation	
Pollution level	Level 2
Applicable location	Indoor or Outdoor
Applicable temperature and humidity	0~40℃ and 20%~80%
Applicable Elevation	around 2000m

Buttons

- 1.OK button: enter the selected function;
- 2.Next button: select a function or turn to another page;
- 3.Home button: return or back to the home page;

Functions

(I). Wiring instruction



Note:

- a. The communication line (COM) should be connected to the communication terminal of either the indoor unit or the outdoor unit.
- b. Please connect power only after the wires are properly connected. The neutral wire and live wire must not be reversed. Terminal COM of the tester must be securely connected to the AC; otherwise, data cannot be detected and E6 will be displayed. (E6: indoor and outdoor units communication failure)

(II).Operation instruction

1. When the tester is powered on, it will display as follows:

```
1. Data monitor V1.0  
2. Replace indoor unit to  
   detect outdoor unit  
3. Replace outdoor unit to  
   detect indoor unit
```

Note: Pressing the next button can switch to a different function.

2. The function of data monitoring:

After the function of data monitoring is selected, if the indoor or outdoor unit is not faulted or under protection, only operational data will be displayed; otherwise, a fault or protection code or maintenance guide will be shown. The last page will display the operational data. Press the next button to view the fault, protection condition and operational data.

If the air conditioner is not faulted, the tester will display the air conditioner's operational data, as shown below:

```
• Run mode:           Cool  
• Compressor frequency: 0Hz  
• Expansion valve:    150Step  
• Module temp.:       45°C  
• Outdoor ambient temp.: 25°C  
• Discharge temp.:    89°C  
• External tube temp.: 25°C  
• DC bus voltage:     308V  
End
```

Note: If the data page shows "--", it means the tester cannot collect data from this model.

3. Replace the indoor unit to test the functions of outdoor unit:
If the outdoor unit is not faulted or under protection, only operational data will be displayed; otherwise, a fault or protection code or maintenance guide will be shown. The last page will display the operational data. If the outdoor unit can start up normally, then its compressor will stop

after running for a maximum of 3min. Press the next button to view the fault, protection condition and operational data of the outdoor unit.

4. Replace the outdoor unit to test the functions of indoor unit:
a. It takes 90s for the tester to connect to the indoor unit and completing the testing. If the indoor unit reports E6 in 90s, it is normal. The tester will report a fault after 90s, as shown below:

```
Inspection detecting.Do not  
press buttons for operation.  
(Please wait...)
```

```
• Run mode:           Cool  
• Indoor fan speed:    High  
• Set temp.:           19°C  
• Indoor ambient temp.: 26°C  
• Inner tube temp.:    24°C
```

- b. If the indoor unit is faulted or under protection, a fault or protection code or maintenance guide will be shown. The last page will display the operational data. Press the next button to view the fault, protection condition and operational data of the indoor unit.
- Note:
- (1) After the tester works in replacement of the indoor or outdoor unit, make sure the communication line of the indoor and outdoor units is cut off. Then test the indoor or outdoor unit. Otherwise, the tester will display "Please disconnect the communication line of the indoor and outdoor units".
- (2) If the tester replaces the indoor unit to test outdoor unit, it will sense the outdoor ambient temperature after it is energized. If the outdoor temperature is above 20 °C, the unit will enter cooling mode. If the outdoor temperature is below 20 °C, the unit will run in heating mode.

(III).Judgement of temperature sensors

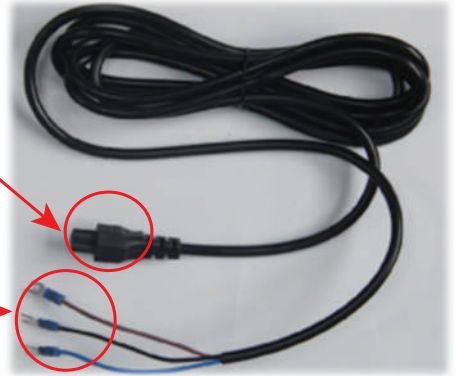
Model	Temperature	Reference resistance(KΩ)	Take 5V as reference voltage(V)
15K(Ambient temperature)	22°C	17.14	2.33
	23°C	16.39	2.39
	24°C	15.68	2.44
	25°C	15.00	2.50
	26°C	14.36	2.55
	27°C	13.74	2.61
	28°C	13.16	2.66
20K(Tube temperature)	22°C	22.85	2.33
	23°C	21.85	2.39
	24°C	20.90	2.44
	25°C	20.00	2.50
	26°C	19.14	2.55
	27°C	18.32	2.61
	28°C	17.55	2.66

Connect to the Air Conditioner

1. Power supply instruction:

Tester power
supply interface

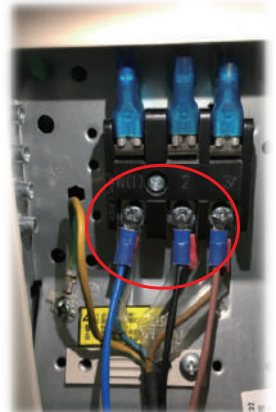
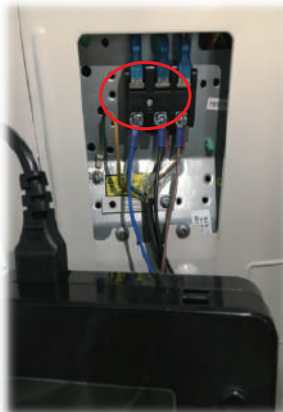
This is to connect the
air conditioner. Mind the live wire (brown), communication
wire (black) and neutral wire (blue).



2. Wiring procedur

Connect the wiring terminal of power cord to wiring terminal of air conditioner, see the figure as below. Please note that the neutral wire (blue), live wire (brown) and communication wire (black) cannot be connected reversely.

The wiring diagram as below is only for reference.



WARNING

1. Do not use in severe weather such as thunderstorm. Guard against damp and keep dry.
2. Please connect power only after the wires a properly connected. The neutral wire and live wire must not be reversed.

NOTE CONCERNING PROTECTION OF ENVIRONMENT



This product must not be disposed of via normal household waste after its service life, but must be taken to a collection station for the recycling of electrical and electronic devices. The symbol on the product, the operating instructions or the packaging indicate such disposal procedures. The materials are recyclable in accordance with their respective symbols. By means of re-use, material recycling or any other form of recycling old appliances you are making an important contribution to the protection of our environment. Please ask your local council where your nearest disposal station is located.

In case of quality problem or other please contact your local supplier or authorized service center.

Emergency number: 112

PRODUCER

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This product was manufactured in China (Made in China).

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