

YNL number-display torsion driver

1. summary

1.1 Main use and scope of application

YNL digital display torque driver is for precision manufacturing industry small torque fastener assembly and torque detection carefully designed products, widely used in all kinds of electrical, light industry, machinery manufacturing, research structure, instrumentation, household appliances, electrical equipment, automobile, motorcycle, mountain bike and other industries, is to ensure the bolt nut small torque fastening connection necessary high-grade tools. Compared with the mechanical preset torsion starter, the digital display torsion starter can accurately display the torque value, and the control of the torque value is more accurate.

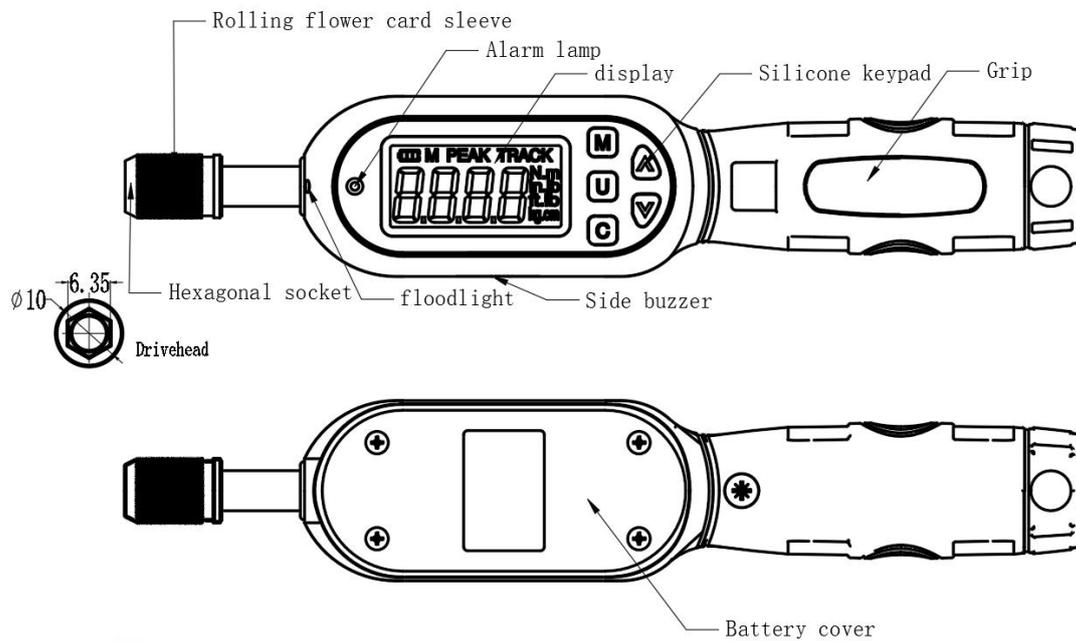
1.2. Functional features

1. With lighting function, convenient to use in the dark environment.
2. 90 seconds without the operation of the automatic shutdown, to achieve the purpose of saving power.
3. Run a clockwise and counterclockwise directions.
4. It has three modes: real-time mode, automatic peak mode and peak mode.
5. Four torque unit selection.
6. With the function of preset torque value, to reach 80% - -100% of the preset torque value, start from slow to urgent beep alarm.
7. The function of storing data in peak mode.
8. With backlight function, with real-time following lighting and constant lighting two modes.

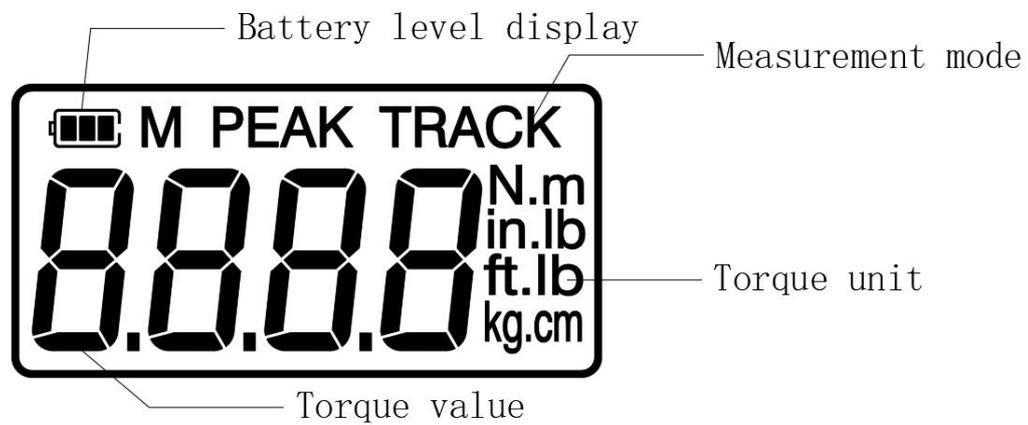
| model | YNL-2 | YNL-6 | YNL-12 | YNL-100 |
|------------------|----------------------|----------------------|----------------------|----------------------|
| range | 0.2-2 (N·m) | 0.6-6 (N·m) | 1.2-12 (N·m) | 10-100(in·lb) |
| resolution ratio | 0.01(N.m) | 0.01(N.m) | 0.01(N.m) | 0.01(in·lb) |
| accuracy | ±2% | | | |
| length | 240mm | 240mm | 240mm | 240mm |
| Drivehead size | 1 / 4 inch / 6.35 mm |
| net weight | About 0.26kg | About 0.26kg | About 0.26kg | About 0.26kg |

2. product mix

2.1 Appearance schematic diagram



2.1 Schematic diagram of the LCD screen



3. technical parameter

3.1 Use 2 # 7 batteries for power supply

3.2 Use environment (-10~60) °C

3.3 Accuracy guarantee range from 10% to 100% of full scale

3.4 Bidirectional precision of $\pm 2\%$

4. operation declaration

4.1 Power-on / off

Start on: Short press "C" key to start up. Shutdown: Long press the "C" key to shut down. If the power is low, it will automatically shut down; the machine will automatically shut down for 90 seconds.

4.2 Working mode setting

Short pressing the "M" key can switch the peak (**PEAK**) mode, (**TRACK**) real-time mode and automatic peak mode in a cycle.

4.3 Peak patterns

In peak mode, the display (**PEAK**) and the peak current load torque can short press "C" to clear the current peak data.

4.4 Real-time mode

In real-time mode, the display display (**TRACK**) enables real-time tracking of torque values. In real-time mode, the display displays the current load torque value in real time.

4.5 Auto-spiking

In the automatic peak mode, it is a blank state above the display screen. The display displays the peak state of the current load torque value in real time, and the current load torque value stays briefly on the display and then zer.

4.6 Preset torque value

Preset value mode

Short press the "▼" or "▲" key to enter the preset value mode, adjust the preset torque value, press the "▼" key to decrease the preset torque value, and press the "▲" key to increase the preset torque value. Entering the preset torque value mode, long press the "▲" key to quickly increase the preset torque value, and long press the "▼" key to quickly decrease the preset torque value.

After the value stays for a while, it automatically exits the preset torque value mode and enters the measurement interface.

Insert the required batch head into the screwdriver socket to start applying torque to the fastener. When the preset torque value is reached

At 80% -100%, the beep will start from slow to rapid and the alarm light will turn on to sound the alarm.

4.7 Torque unit switching

Press the "U" key briefly (**N-m, lb-in, ft-lb, kg-cm**) under the measurement interface.

4.8 Lamp function

Long press the "U" button on the measurement interface to turn on and off the lighting. If there is no operation of the machine within 90 seconds, the lighting will turn off along with the machine shutdown.

4.9 Display screen backlight function

Long press "M" key to enter the menu selection interface press "V" or "A" to select "BLE" interface, short press "M" key to enter the selection backlight often bright open and off function. Press "V" or "A" to select, with "ON" on the display, open the backlight function, and then long press "M" to go back to the measurement interface. When "OFF" is displayed on the display screen, the backlight function is always turned off, and then long press the "M" key to go back to the measurement interface.

4.10 Data storage, viewing, and deletion

When peak data needs to be saved, long press the "M" key to enter the menu selection interface, press "V" or "A" to select the "SEE" interface, short press the "M" key to enter, press "V" or "A" to select whether to turn on or off the peak data storage function. When "ON" is displayed and "M" is shown in the upper left corner of the screen, it indicates that the peak data storage function is turned on. Then long press the "M" key to return to the measurement interface. Note that the measurement unit is in (PEAK) mode and displays the peak value of the current loaded torque. You can short press the "C" key to save the current peak data and complete the storage.

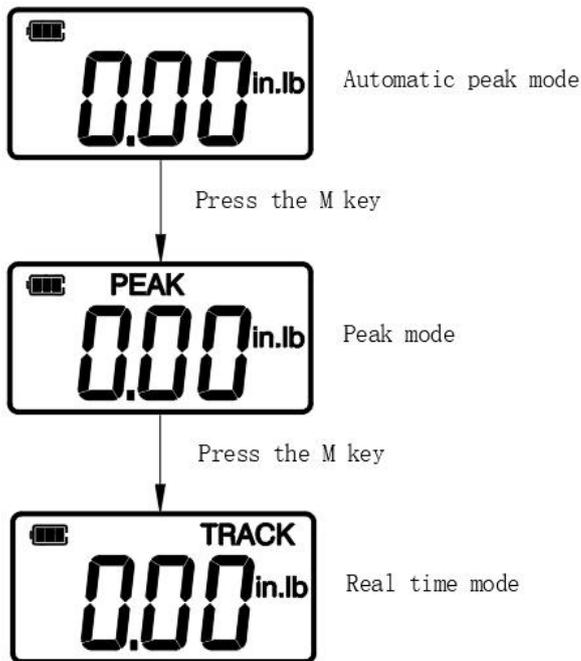
Long press the "M" key to enter the menu selection interface, press "V" or "A" to select the "DRE" interface, short press the "M" key to find the data group, and short press the "A" key to view all data. Exit and view data. The team leader can press the "M" key to return to the measurement interface

Long press the "M" key to enter the menu selection interface, press "V" or "A" to select the "CLR" interface, Short press the "M" key to enter the display

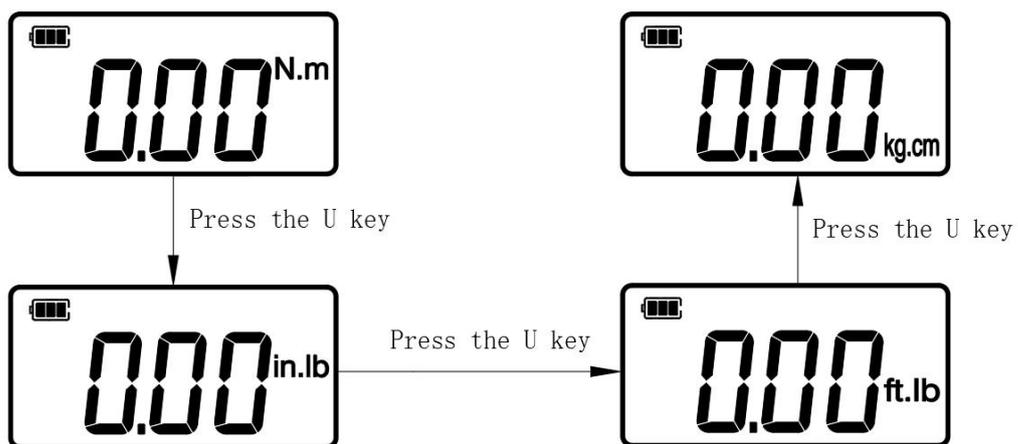
interface as "----", then short press the "U" key to reset all stored data. Once reset is complete, it will automatically return to the measurement interface

五、operation chart

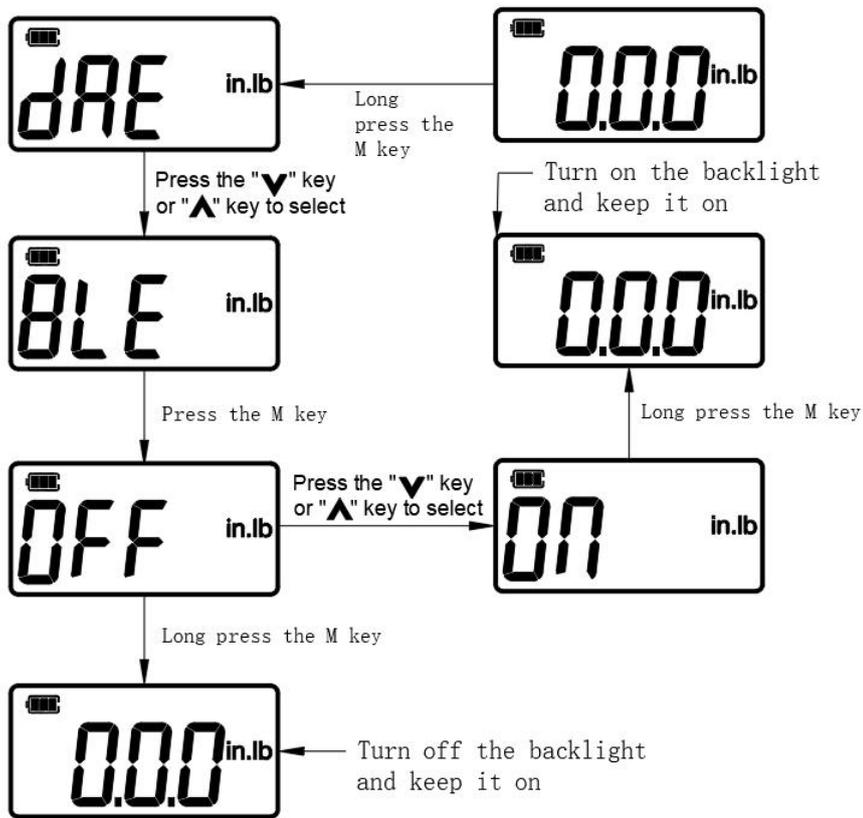
5.1 Working mode selection



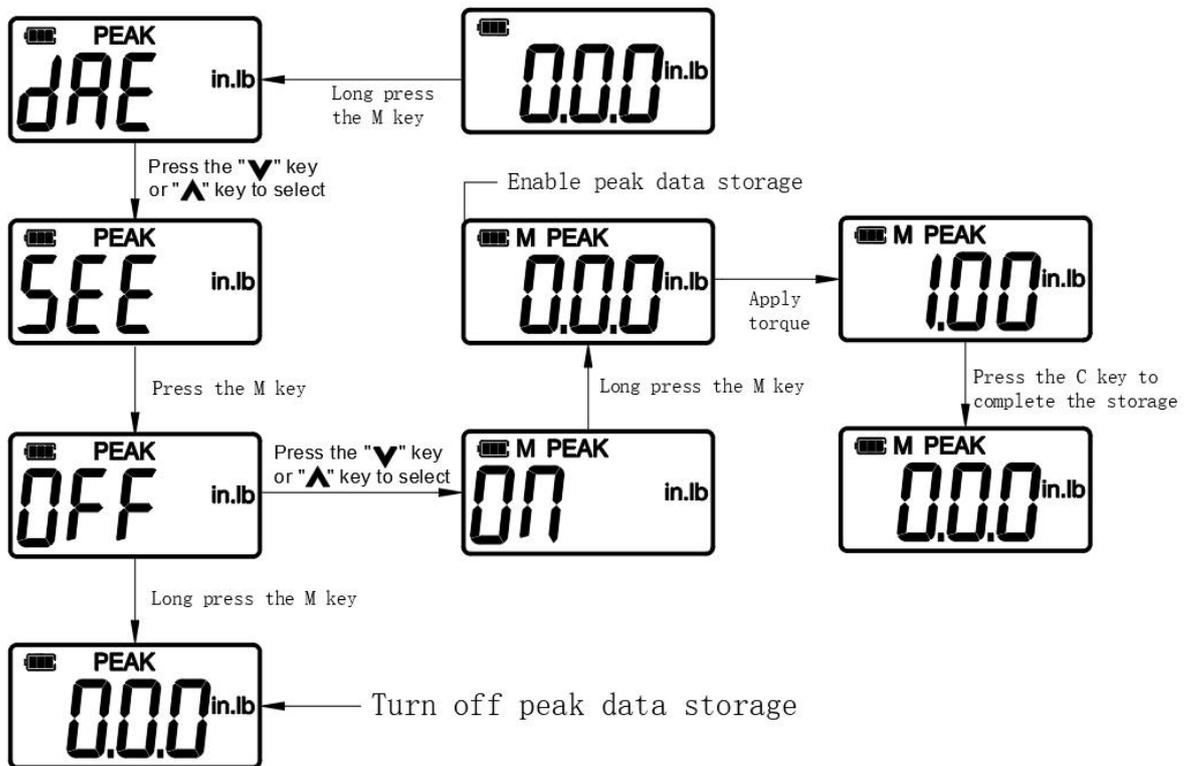
5.2 Selection of measurement units



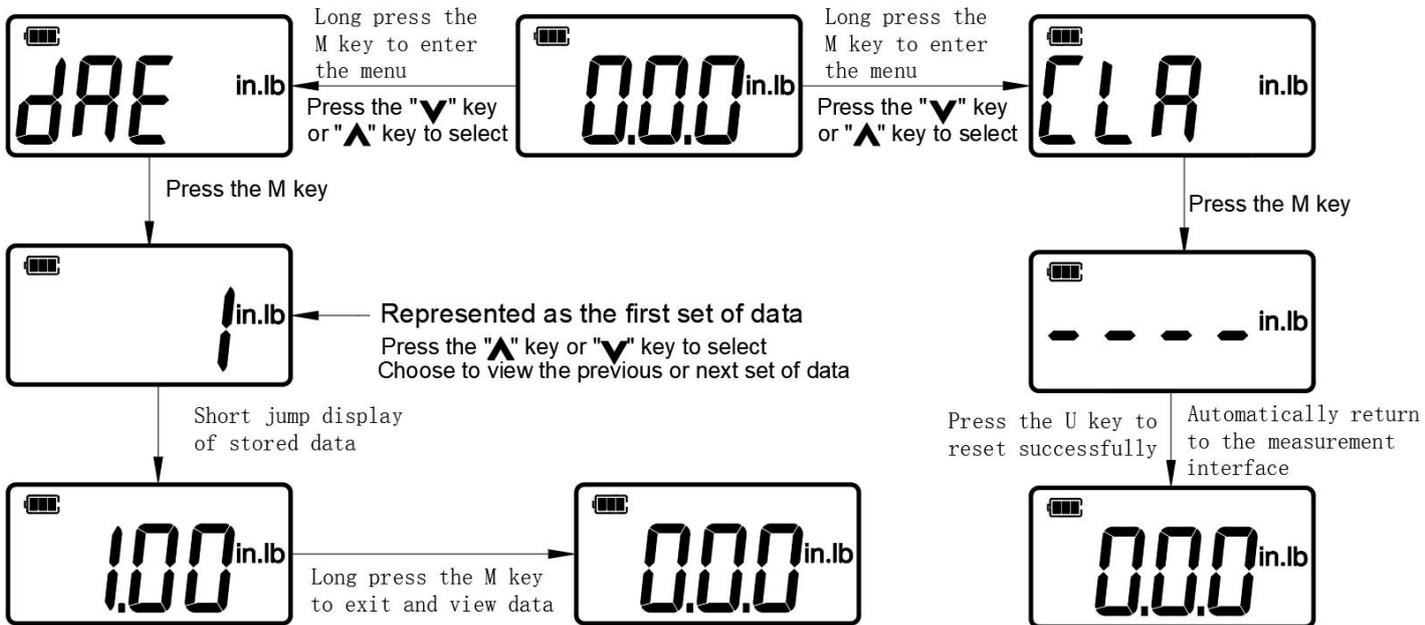
5.3 Backlit backlighting setting



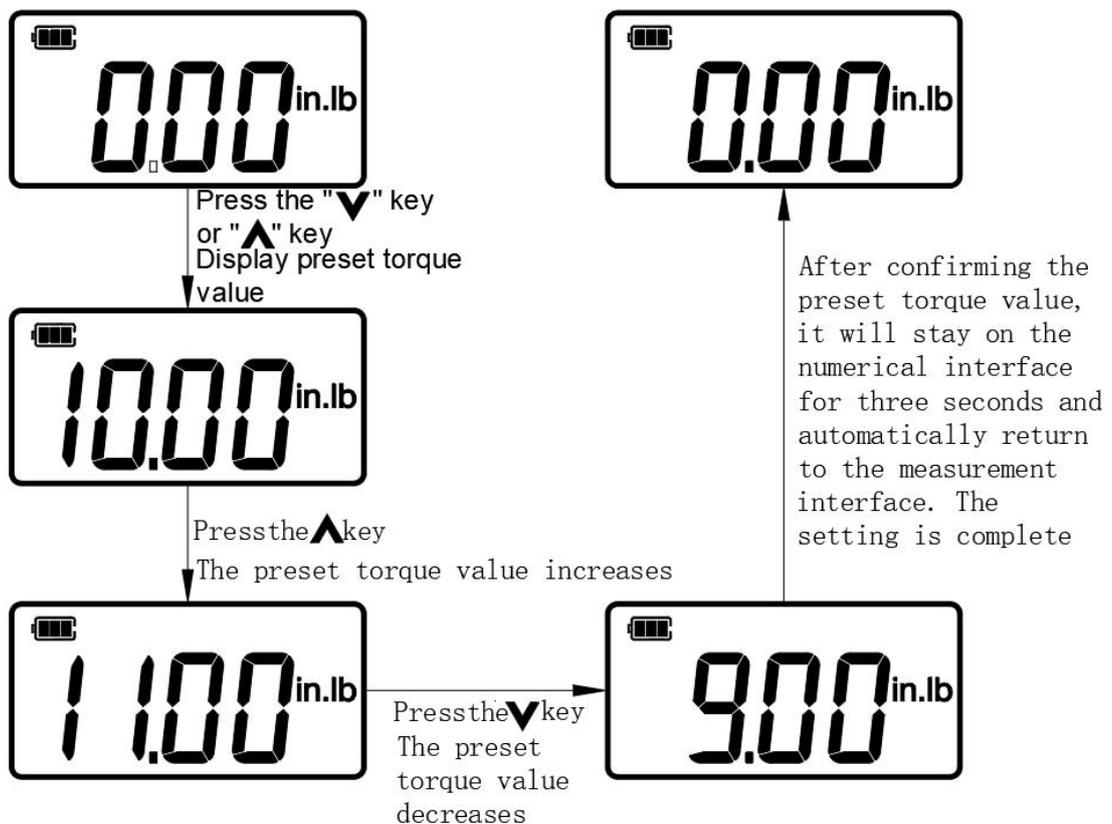
5.4 Open the peak data storage



5.5 View and delete the peak data



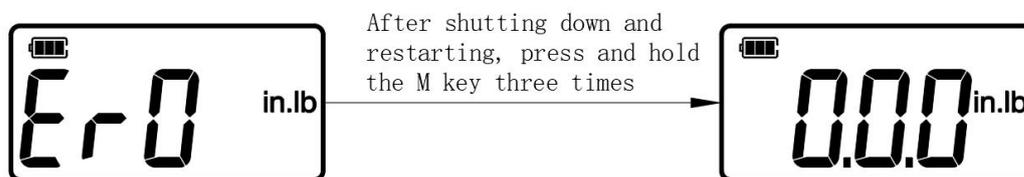
5.6 Preset value mode



Vi. Precautions

- 1、Overload (Ero after 120% of maximum torque).

A Schematic diagram of the recovery method after overload



2. Do not make a strong impact in use.
- 3, absolutely not allowed to use as other tools.
4. It is strictly prohibited to disassemble the products at will. Any problems, please contact our company in time.
5. This product does not contact with acids, alkali and its corrosive gases.
- 6、 Replace the battery, take out the supporting screwdriver, unscrew four screws off the battery cover, and replace two no. 7 batteries.
7. Battery treatment mode, if the machine is not used for a long time, please take out the battery. Prepare spare batteries when you need to travel long distances or be in a cold area. Do not mix different brands of batteries, and do not mix the old and new batteries. Sweat, water, oil and so on will hinder the contact of the battery electrode. Please wipe the battery clean before putting it into the torsion screwdriver. Please discard the used battery in the specified recycling place, do not put the battery in the fire.
8. Do not repress the LCD screen.



**The product meets
the UL4200A standard**

VII. Maintenance Instructions:

1. In case of failure, please contact the original purchase office or the company.
2. Within one month from the date of sales of this product, if quality problems occur in normal use and without damaged appearance, the original customer invoice, valid warranty card and complete packaging shall be sent to the original purchase place or the company shall replace the product of the same specification and model, and the replacement product shall continue the warranty period and terms of the original product.
3. Within one year from the date of sales of this product, under normal use, non-human fault belongs to the scope of warranty (the user dismantled the machine or in other maintenance points the company will not warranty), the customer can contact the original purchase with the original sales invoice and effective warranty card, can get the company free warranty for one year.
4. The warranty terms of this product are only applicable to this series of products sold in the Chinese market. For the products beyond the warranty period, the customer can consult the original purchase office for maintenance matters or contact the company, and the company will provide paid maintenance.

