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C200-LCD Instructions

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ABOUT THE USER MANUAL

Dear users,

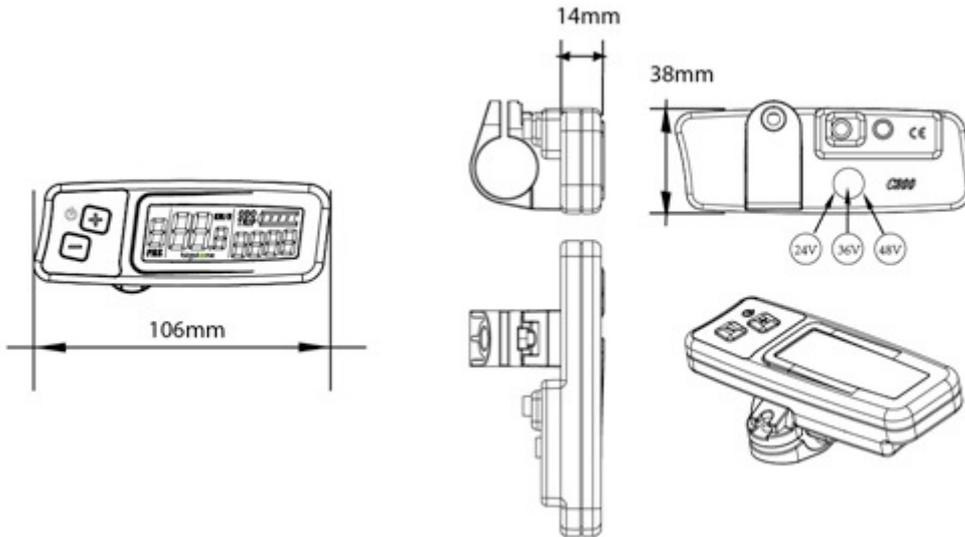
To ensure better performance of your e-bicycle, please read through the C290 product introduction carefully before using it. We will inform you all the details concisely (including hardware installation, setting and normal use of the display) when using our display. Meanwhile, the introduction will also help you solve possible confusion and malfunction.

OUTLOOK AND SIZE

MATERIAL AND COLOR

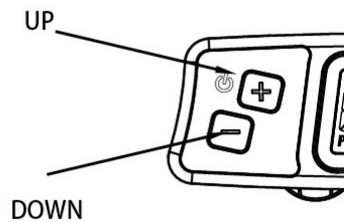
C290 products are made of black ABS material the buckle is made of nylon material. Under the temperature of -20 to 60℃, the shell material can ensure normal usage and good mechanical performance of the products.

Dimension figure (unit: mm).



BUTTON DEFINITION

C200 has two buttons including UP and DOWN.

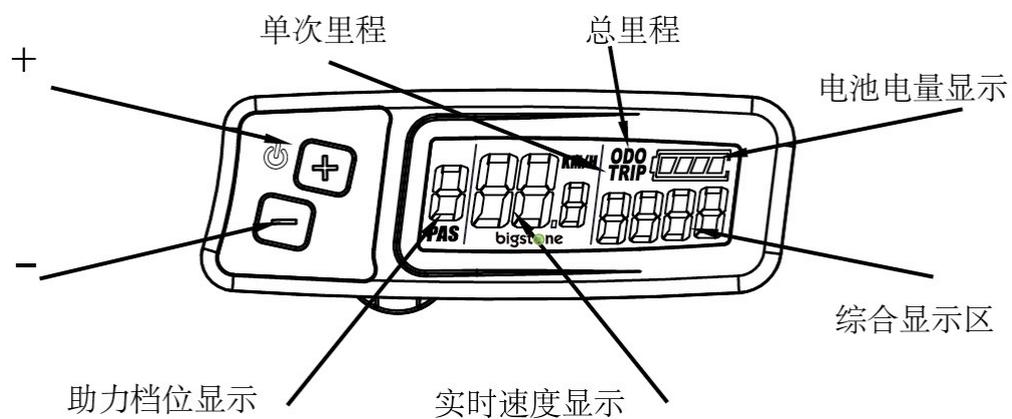


FUNCTION SUMMARY

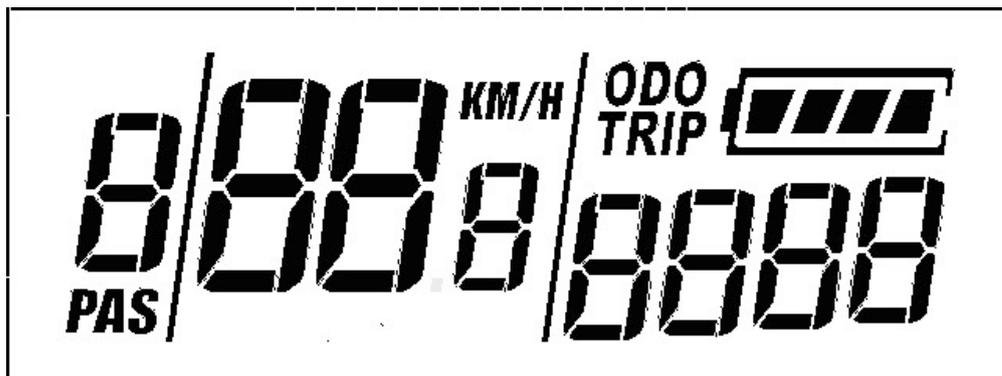
FUNCTION SUMMARY

C290 provides a wide range of functions and indicators to fit the users' needs. The indicated contents are as below.

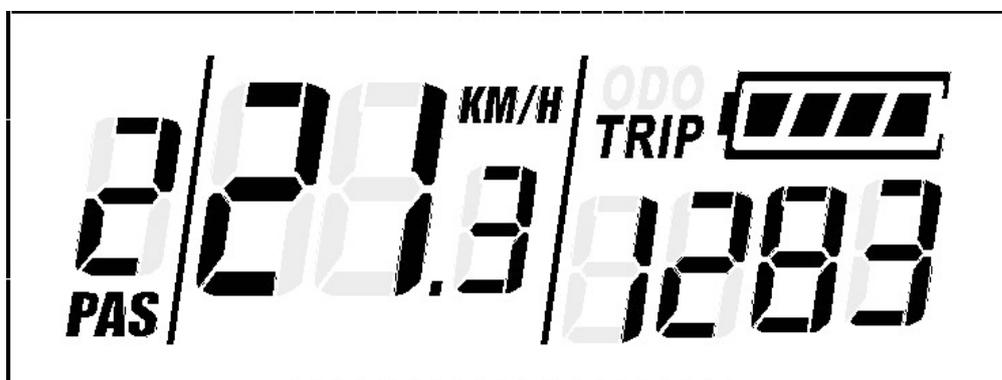
1. ON/OFF
2. Speed display
3. Backlight indicator
4. PAS level selection
5. Error code indicator
6. SET operation
7. Distance indicator
 - 7.1 Total distance (ODO)
 - 7.2 Trip distance
8. Battery indicator
9. Cable definition
10. Auto sleep after 5 minutes



FULL VIEW AREA



NORMAL VIEW AREA



NORMAL OPERATION

1 □ ON/OFF

Press **UP** and start the display. The display will provide power for the controller. With display on, press **UP** for 3 seconds to turn off the power. With the display off, there is no battery consumption. The leakage current is no more than 2 μ A. Hold **UP** for 2 seconds can open the backlight.

※ The panel will go to sleep when speed is 0 km/h for 5 minutes.

2 □ SPEED DISPLAY

It displays the current riding speed of e-bike. The speed display is as below.

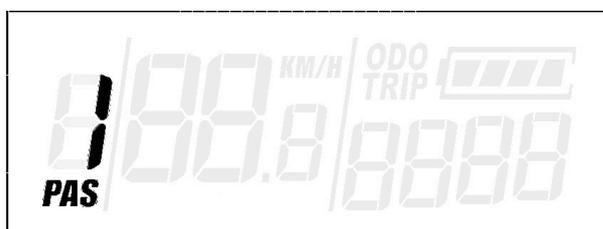


3 □ BACKLIGHT INDICATOR

With the power on, click the **UP** and turn on the backlight. Click it again and turn off the backlight.

4 □ PAS LEVEL SELECTION

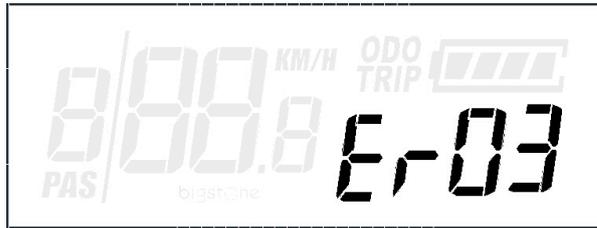
Click **UP** or **DOWN** to change the stages and output power ratio, the output power range from level 1 to level 6 for the default (the levels can be customized by user) , the default value is level 1.



5 □ ERROE CODE INDICAYOR

If there is something wrong with the electronic control system, the display will flash at 1 HZ and show the error code automatically.

Different error code is corresponding with different fault information, please see the last page Error code table for details.



- Display return to normal only after problem being fixed and bike will not run before fixing the problem.

6 □ SET OPEARATION

If there is no operation after you enter the set interface, it will auto exit.

6.1 Reset trip distance

Hold **UP** and **DOWN** for 2 seconds to clear trip distance. It will be auto cleared when the trip distance exceeds 2550 km.

6.2 Reset ODO

Hold **DOWN** for 20 seconds to clear the total riding distance. It will be auto cleared when the total riding distance exceeds 9999 km.

※ This function only for OEMs and distributors use.

6.3 Wheel diameter setting

Hold **UP** and **DOWN** for 10 seconds to enter into wheel diameter setting.

Select the accurate wheel diameter value to ensure the accuracy of display about speed and mileage.



※ Click **UP** or **DOWN** to set the wheel diameter.

6.4 Max speed setting

Hold **UP** and **DOWN** for 5 seconds to enter into the speed-limit setting interface.

The max speed is 45 km/h for the default. User can modify the value of max speed, when the riding speed exceeds the setting value, the controller will stop supplying power to the e-bike, in order to ensure the safety of rider. The max speed ranges from 20 km/h to 45 km/h.



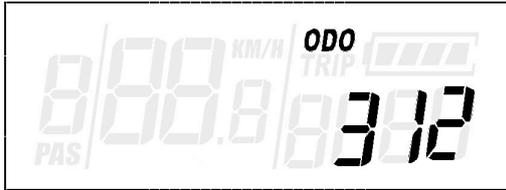
※ Click **UP** or **DOWN** to select the limited speed. When set max speed 45 km/h, there is no limit for riding speed.

7 □ DISTANCE INDICATOR

With the display on, press **UP** or **DOWN** to switch the display information.

7.1 ODO

The ODO records the driving mileage from using.



7.2 Trip distance

Trip distance records the driving mileage, it displays as below.

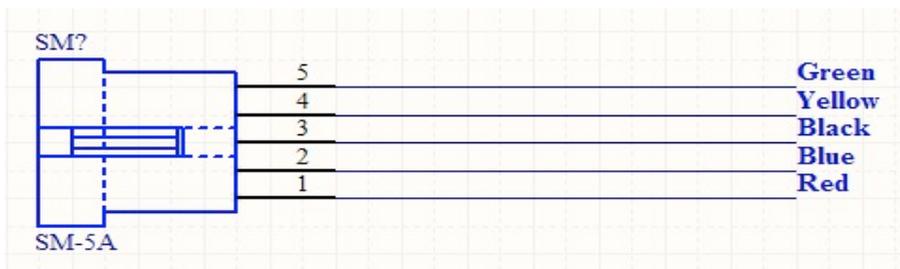


8 BATTERY INDICATOR

When the battery capacity is high, the four battery segments are all light. When the battery is low, the battery frame will flash. It indicates that the battery is severely low in voltage condition and needs to be recharged immediately.



9 CABLE DEFINITION



Red: Battery +

Blue: Lock

Black: Battery –

Yellow: UART- SEND (TXD)

Green: UART-RECEIVE (RXD)

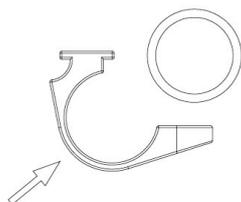
10 □ AUTO SLEEP AFTER 5 MINUTES

When the riding speed is 0 km/h for 5 minutes, the system will go to sleep automatically.

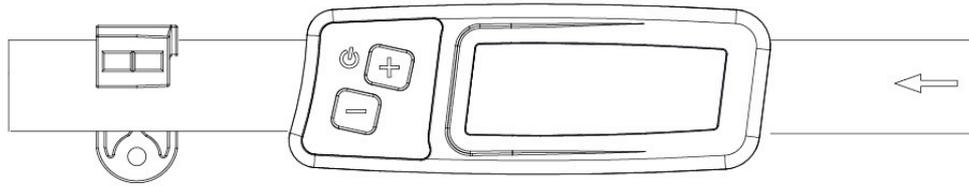
INSTALLATION INSTRUCTION

The instrument is fixed on the handlebar, adjust the appropriate perspective, and the button is arranged on the easy control position. In the case of power failure, the corresponding connector and connector controller instrument for inserting installation can be completed. Attentions! Install the instrument from right to left and avoid stretching buckle over angle.

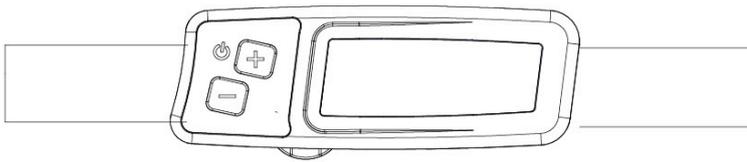
Step1: Make the snap ring buckle into the handelbar in direction of the arrow.



Step2: make the instrument slip insert the snap ring from right to left.



Step3: Adjust the direction and tighten the low screw after installation.



COMMON PROBLEM & SOLUTIONS

Q: Why the display is not able to start up?

A: Checking the connector that between display and controller.

Q: How to deal with the error code?

A: Fix it to the maintenance place immediately. If cannot be resolved, you can go to the electric vehicle repair points repair it in a timely manner.

QUALITY & WARRANTY

QUALITY & WARRANTY:

- 1、 Any quality problems in normal case and in guarantee period, our company will responsible for the warranty
- 2、 The warranty time is 18 months from date of purchasing.

OTHER ITEMS:

The following items are not belong to warranty scope.

1. It can not be demolished.
2. The damage caused by wrong installation or operation.
3. Shell is broken when display is out of the factory.
4. Wire is broken.
5. Force disaster (such as fire, earthquake, etc.) or natural disasters like lightning, etc caused by fault or damage.
6. Beyond Warranty period.

ERROR CODE TABLE

The error code is corresponding with the fault definition.

Error code	definition
0	normal
1	Current error or MOS damaged
2	Throttle error(Start detection)
3	motor no phase position
4	Hall error
5	Brake error(Start detection)
6	Under voltage
7	Motor stalling
8	communication controller receiving error
9	communication display receiving error

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- Line definition refer to the **C200 Fast release wire**