



## **C290-LCD Instructions**

**RILU Trading Pty Ltd**

**RILU**  **e-Bike**

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## ABOUT THE USER MANUAL

Dear users

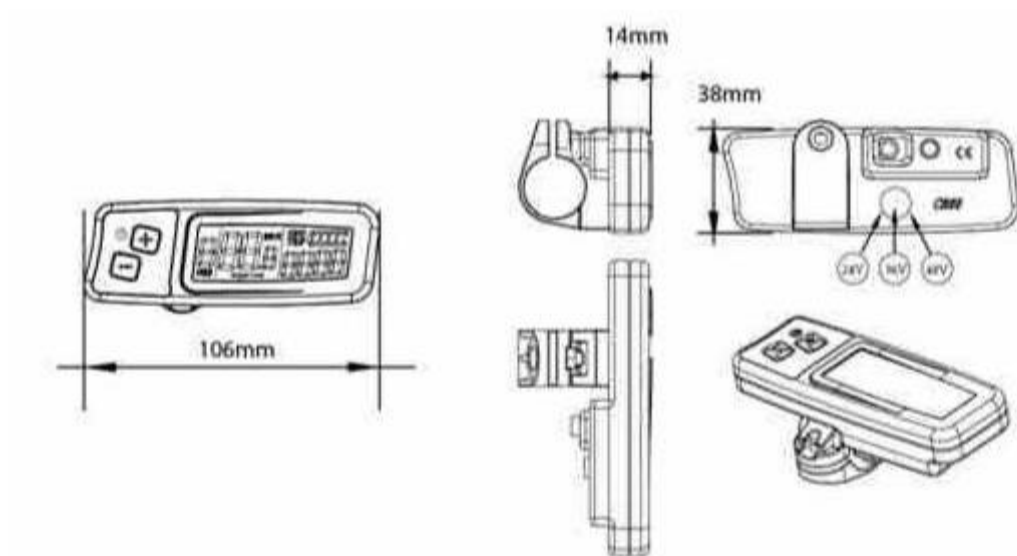
To ensure better performance of your e-bicycle, please read through the C290 product introduction carefully before using it. We will inform you of all the details, concisely including hardware installation, setting and normal use of the display. Meanwhile, the introduction will also help you solve any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

## OUTLOOK AND SIZE

### MATERIAL AND COLOR

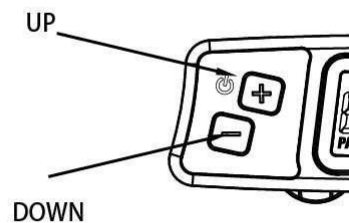
The C290 is made of black ABS material. The buckle is made of nylon material. In the temperature range of -20 to 60°C, the shell material can ensure normal usage and good mechanical performance.

Dimension figure (unit: mm).



## BUTTON DEFINITION

C290 has two buttons including UP and DOWN.



## FUNCTION SUMMARY

C290 provides a wide range of functions and indicators to suit the users needs indicated below.

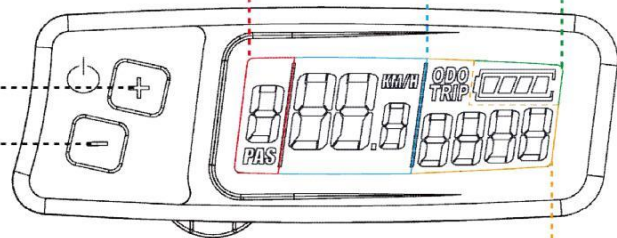
1. ON/OFF
2. Speed display
3. Backlight indicator
4. PAS level selection
5. Error code indicator
6. SET operation
7. Distance indicator
  - 7.1 Total distance (ODO)
  - 7.2 Trip distance
8. Battery indicator
9. Cable definition
10. Auto sleep after 5 minutes

- 8. Battery indicator
- 9. Cable definition
- 10. Auto sleep after 5 minutes

- 2. Speed display
- 3. Backlight indicator

- 4. PAS level selection

UP  
DOWN



**FULL VIEW AREA**

- 5. Error code indicator
- 6. SET operation
- 7. Distance indicator
- 7.1 Total distance (ODO)
- 7.2 Trip distance



## 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  $\mu$ 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.

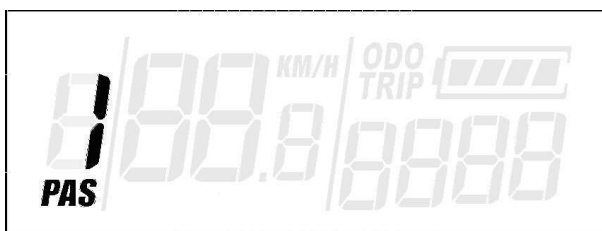


### 3、BACKLIGHT INDICATOR

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 the user) , the default value is level 1.



### 5、ERROR CODE INDICATOR

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 codes are corresponding with different fault information, please see the last page Error code table for details.



The display only returns to normal after the problem is 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.

## 7、 DISTANCE INDICATOR

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

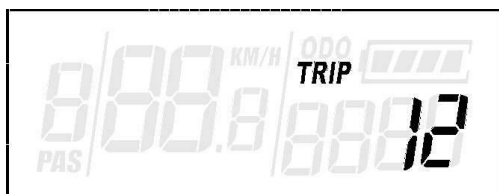
### 7.1 ODO

The ODO records the driving mileage from the start of using the bike



### 7.2 Trip distance

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



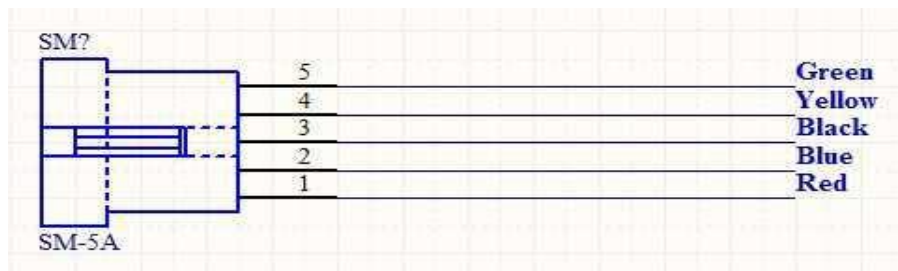


## 8、 BATTERY INDICATOR

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)

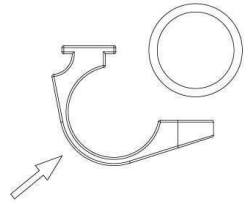
## 10、 AUTO SLEEP AFTER 5 MINUTES

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

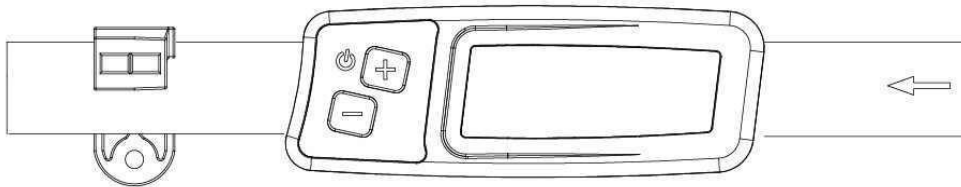
## INSTALLATION INSTRUCTION

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. Attention! Install the instrument from right to left and avoid stretching buckle over angle.

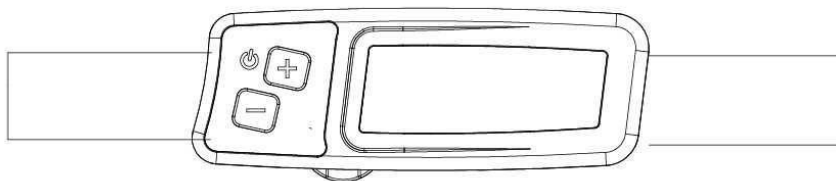
Step1: Make the snap ring buckle into the handlebar in direction of the arrow.



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: Submit it for maintenance immediately. If it cannot be resolved, go to the authorize dealer for repair in a timely manner.

**QUALITY & WARRANTY**

**QUALITY & WARRANTY:**

Any quality problems in normal case and in guarantee period, our company will be responsible for the warranty

The warranty time is 12 months from date of purchasing.

**OTHER ITEMS:**

The following items do not belong to warranty scope.

It cannot be taken apart or tampered with

Force disaster (such as fire, earthquake, etc.) or natural disasters like lightning, etc caused by fault or damage.

When the Warranty has expired

**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