CDE8 specification

Eunorau E-Mobility USA Corp

Preface

To ensure better performance of your e-bike, please read through the CDE8 inspection carefully before using it. We will inform you of all the details, including the installation and setting of the hardware and normal use of the display with the most concise words. Meanwhile, the specification will also help you solve possible malfunction.

Contents

1. Product introduction

CDE8 products use the LCD screen, double side printed board, nylon buckle, ABS material shell, and dip plastic parts. Under the temperature ranging from -20℃ to 60℃, the shell material can ensure the good mechanical performance of the products.

Real product and dimension (unit: mm)
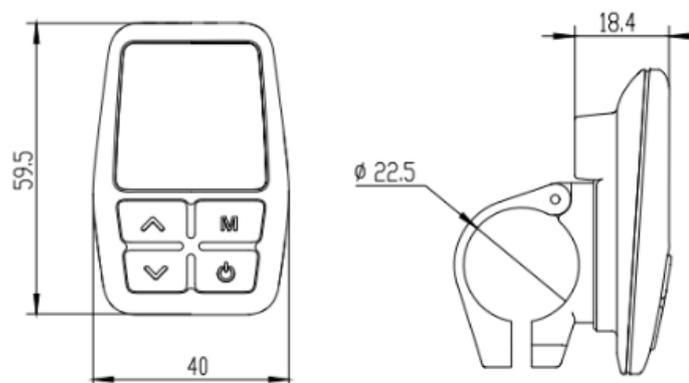

Figure 1

Figure 2

2. Function introduction

CDE8 is a multi-function LED display. The main functions include the power switch, battery power indication, level indication and adjust, and headlamps switch function. With another CDBL_C product of our company will greatly simplify the handlebar cable.

This display can be used at the left or right sides, strong compatibility.

3. Button definition

CDE8 has 4 buttons totally, including POWER button (headlight power button), UP button, DOWN button and M button (6Km/h implement button). In addition, there are 5 led lights on each row to show the battery power and level. And there is one indicator light of the 6km/h implement function and one indicator light of headlight, as shown in figure 3.

Figure 3

4. Operating instruction

a.   Power on/off

At the off state, clicking ⊙ button can turn on the display; And then press ⊙ button for 3 seconds will power off the display.

b.   Level to adjust

After power on the display, when the first LED lighten in the ASSIT row, it means level 1; Clicking UP button to lighten the second LED, means level 2; Similarly, click UP button again, and the third LED is bright, indicating that it is level 3, and the highest can be level 5.

c.   Turn on/off light

Clicking ⊙ button can power on the headlight, and the indicator light of headlight will be bright. Click the button again, it will power off the headlight and the indicator light is light off.

d.   Implement function

Long pressing ⓜ button will be 6km/h implement function, and the indicator light will be lit up.

e.   Battery power indication

LED light in BATTERY row means battery power indication. When the LED shows

the last bar, means the power is too lower, you should charge your e-bike

immediately.

5. Cable outlet instruction

Figure 4

6. Quality assurance and warranty scope

Warranty:

A. Under warranty, our company will shoulder the responsibility to provide

limited warranty to any faults caused by the quality of the product under normal

use.

B. The warranty period lasts for 18 months since the date of purchase.

Other items:

The following items does not belong to warranty scope

A. Disassembly or modification without authorization.

B. Malfunction or damage caused by the misuse or improper installation and

debugging by the users or the third party.

C. Shell scratch or breakage after leaving the factory.

D. Wiring scratch or breakage.

E. Malfunction or damage caused by the force majored (fire, earthquake etc.)

or natural disasters (lightening etc.)

F. Beyond Warranty period.

7. Error code definition table

error code	definition
2	Over current protection is checked by the controller. Check whether the connectors of three-phase power cable and the hall signal connectors are badly connected. There is something wrong with the controller or motor if the problem is still present after reconnect the connectors.
3	The controller can't properly drive the motor: Check whether the connectors of three-phase power cable and the hall signal and the power supply connectors are badly connected. Or there is not enough power to drive the system than 2S, such as climbing or the wheel is stuck . There is something wrong with the controller or motor if the problem is still present after reconnect the connectors.

4	Battery voltage is too low to protect, under voltage protection.
5	After the system power on, check whether the brake is working properly. If the brake signal is less than 0.75V for very a long time, there is something wrong with the brake.
6	Check whether the hall commutation signal of the motor is faulty or not. Check the connector of the motor's hall signal cable is disconnected or not. The hall of motor maybe broken if the problem is still present after reconnect the connectors.
7	After the system power on, check whether the throttle is out of control or the throttle signal is less than 0.75V, or customer turns the throttle before the system works, the error can be solved after throttle is reset.
8	The controller is broken.
A/10	The display and the controller have communication problems, the yellow cable is not connected.
D/13	The controller program is wrong or the 5V is wrong, check whether the brake signal short with 5V.
F/15	The display and the controller have communication problems, the green cable is not connected, or the communication protocol doesn't match.

If there is something wrong with the 5 cables between the controller and display:

(1) If the display can't power on and there is no display on the screen, the reasons may be: the power supply connector between controller and battery is not connected well or there is something wrong with the cable (the red, black ,blue cable of any 1 cables) between display and controller.

(2) If the display is turned on, but after working 3 seconds stop working. The reasons may be: the connection (the green, yellow cable) between the display and the controller is open circuit.

The error code explanation is based on the correct system from

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