CDC11 DISPLAY

User manual

FIVE
Fabbrica Italiana Veicoli Elettrici

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1.Product Instruction

CDC11 display uses the 2.4” LCD color screen features a very clear display interface, with backlight crepuscular sensor.

Double side printed board, nylon buckle and ABS material shell. Good mechanical performance is ensured in a temperature range from -20° to 6°. It also features IP65 protection to water infiltration.

The display can match 24V/36V/48V battery; it integrates front light switch function.

Main interface has two background colors, white or black (day/night), switching automatically between the two themes (thanks to a crepuscular sensor) and always providing a clear visibility for every external light condition.

2. Functions summary

- Total distance (odometer) / trip distance
- Maximum speed / average speed
- Current speed
- km/miles unit switch
- Integrated lights on/off indicator on display
- PAS (pedal assist system) level selection
- Battery residual capacity
- Error code definition
- USB charging function
- 6Km/h walk assistance function

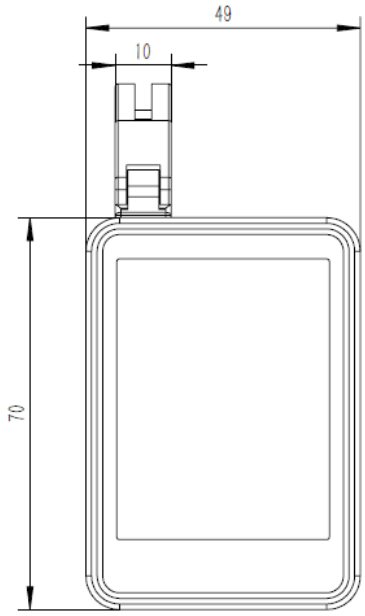
day

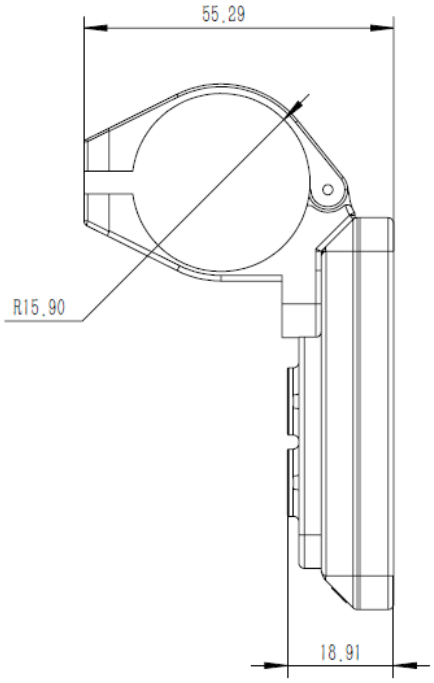
night

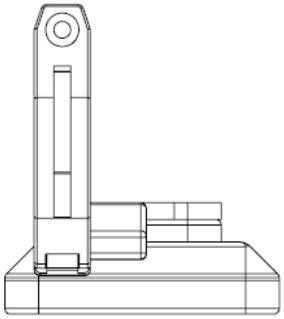
3. Technical parameters

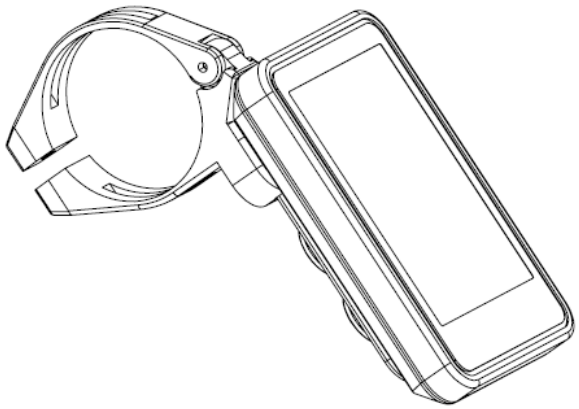
- Voltage: 24V / 36V / 48V
- Current: 24V / 35mA, 36V / 27mA, 48V / 24mA
- Ambient temperature limits: -20° / +60°
- Ambient humidity limits: 0-100% RH (relative humidity)
- Ingress Protection: IP65
- Screen viewing angle: 160° Horizontal / 160° Vertical
- Screen brightness: 400~450 lumen (good visibility in sunlight)

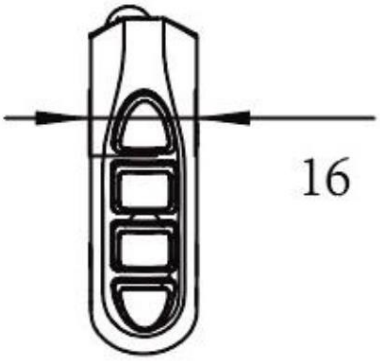
4. Dimensions

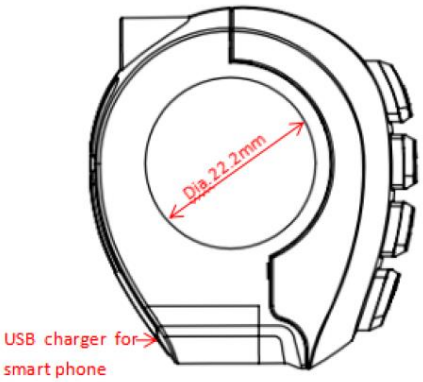












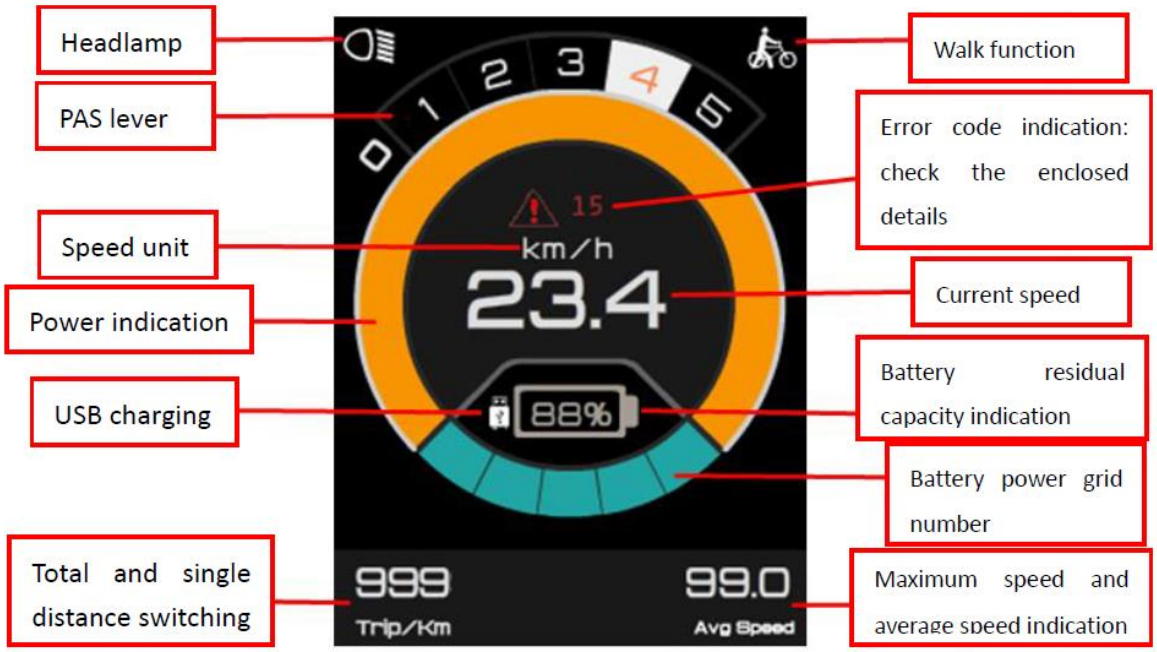
5. Installation instruction

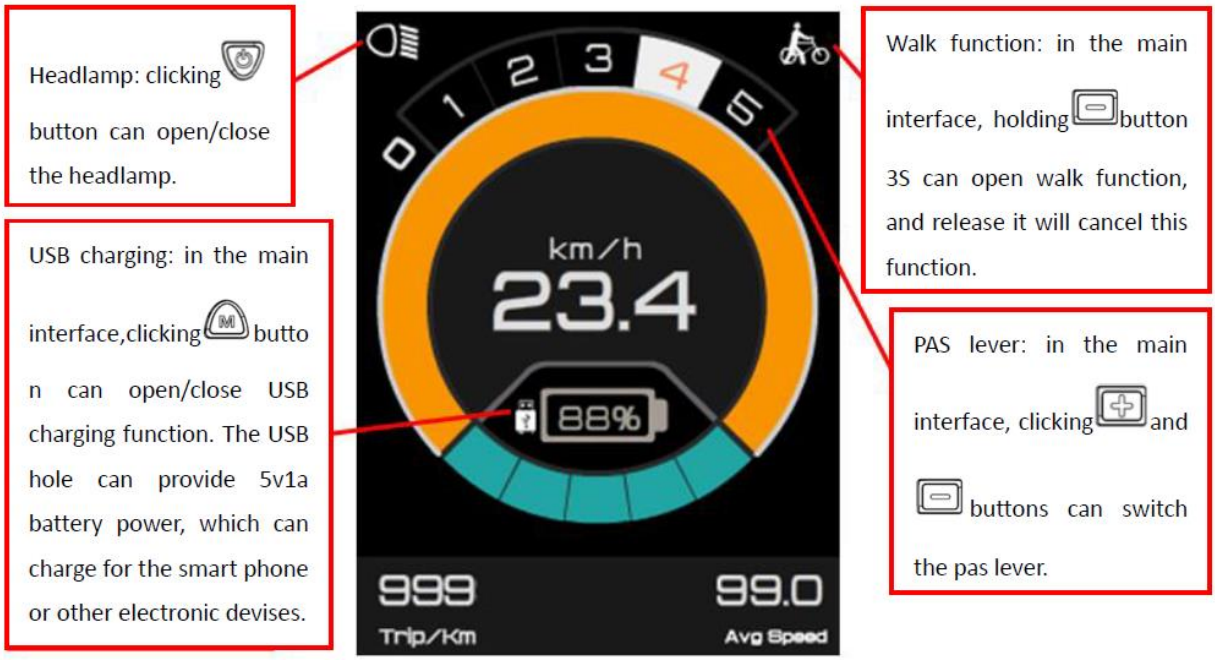
- Fix display and button panel on the handlebar
- Adjust the angle of view in a comfortable visible position
- Tighten the screws to finish the installation

6. Button definition

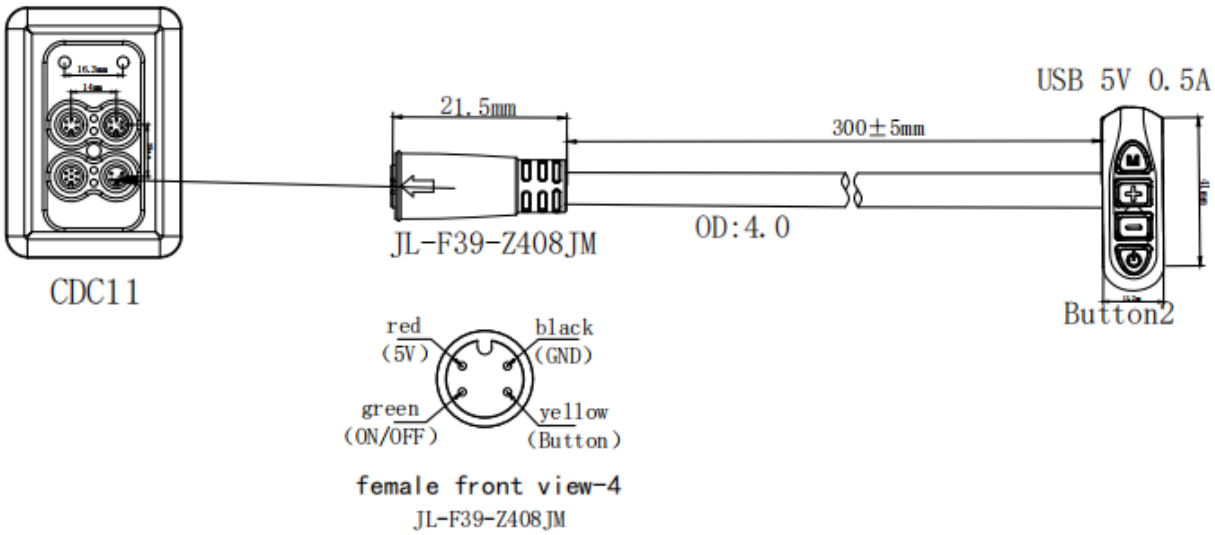
Button	Operation	Function
	hold 3S	**Nothing**
	click	(In main interface) -> **turn on/off usb charging function** (In setting function) -> **confirm** (In passwords interface) -> **switch the passwords digit**
	hold 3S	**Nothing**
	click	(In main interface) -> **Increase the lever** (In setting interface) -> **Switch the options** (In passwords interface) -> **Increase the numeric value**
	hold 3S	(In main interface) -> **6Km/h walk function**
	click	(In main interface) -> **decrease** (In setting interface) -> **switch options** (In passwords interface) -> **decrease the numeric value**
	hold 3S	-> **Power off**
	click	(When off) -> **Turn power on** (In main interface) -> **Turn lamp on/off** (In passwords input interface) -> **Switch the password digit**

7. Main interface instructions





8. Board terminal cable sequence diagram



9. Q&A

Q
Why the display is not able to start up?
A
Check the connector between display and controller.

Q
How to deal with the error code?
A
Ask the customer care at your local dealer.

10. Error codes

Error code	Definition
2	**Over current protection (controller)** - Check whether the connectors of 3-phase power cable and the hall signal connectors are badly connected. - If the problem is still present after re-connect the connectors, there is something wrong with the controller or motor.
3	**Controller cannot properly drive the motor** - Check whether the connectors of 3-phase power cable and the hall signal and the power supply connectors are badly connected. - Check if there's not enough power to drive the system than 2S, such as climbing, or the wheel is stuck - If the problem is still present after re-connect the connectors, there is something wrong with the controller or motor.
4	**Undervoltage protection** - Battery voltage is too low.
5	**Brake problem** - After turning on, check whether the brake sensor 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	**Hall signal problem** - Check whether the connector of the motor's hall signal cable is well connected. - if the problem is still present after re-connecting, the hall motor sensor may be broken.
7	**Throttle problem** - After turning on, check whether: A) the throttle is out of control B) the throttle signal is less than 0.75V C) customer turns the throttle before the system works. - The error can be solved after throttle is reset.
8	**Broken controller**
A/10	**Display / controller communication problem** - yellow cable is disconnected.
D/13	**Controller program is wrong / 5V is wrong** - check whether the brake signal short with 5V.

WARNING: any manumission of the ebike electronic system will result in warranty decay.

Thank you for your attention

enjoy the ride!

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