
WUXI LINGDE MICROELECTRONICS CO., LTD.

LD901FN Display Instruction

Manual

V1.0

2017/9/11

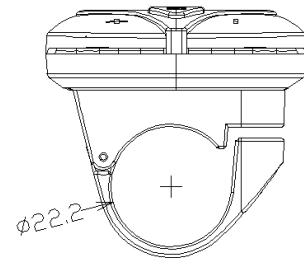
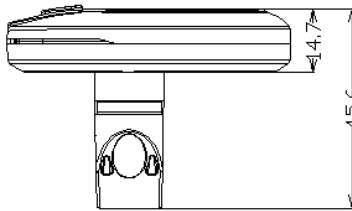
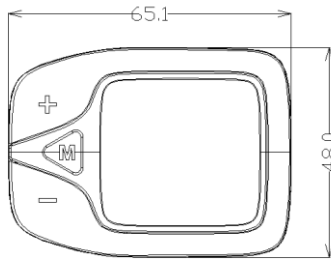


The instrument-LD901Gi s simple and beautiful with the unique design of scientific ergonomic curve.The LED is not only clearly visible in the sunlight but also displayed with soft light under the night mode that makes riding safety.

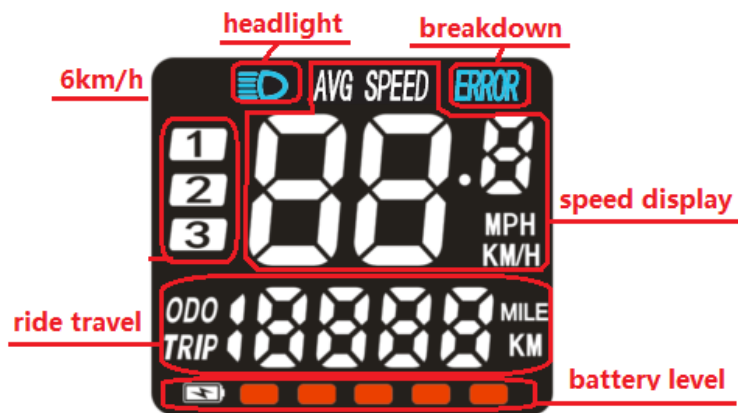
About our Manual

Please read the manual of LD901FN carefully before taking a ride for a better performance.

Size



Instruction to display interface



Model and parameter

LD901FN

Five assisted power display

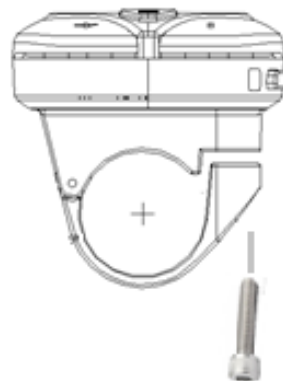
three assisted power display

485 communication method

Support 24V,36V,48V

Installment guide

- 1. Fix the instrument on the handlebar and adjust a appropriate angel.**
- 2.Install the set screw from the bottom of instrument fixed on the handlebar. It is advised to install the screw manually.**



- 3.Please insert the connectors of instrument and the connector of controller on the occasion of power off.**

Definition of button

There are 3 buttons on the instrument, including the power/mode (M), up(+) and down(-).

Routine operation

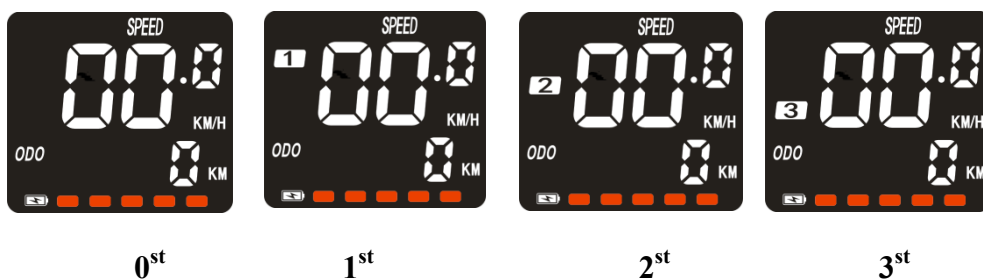
On/off

ON: press the button of M for a long while on the occasion of power off, and enter the password if any, then the instrument starts working, offering the power to controller and working well with controller after 3 seconds.

OFF: press the button of M for a long while on the occasion of on, you can turn off without wasting the power. At this time, the current is less than 1uA.

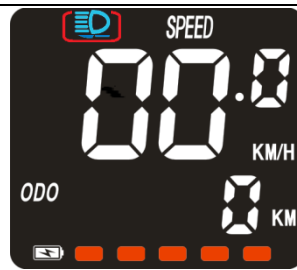
Assisted Power Select

Press the button of + or - for a short while, you can change the output power of motor. The default power ranges from level 0 to level 3, 1 the lowest, 3 the highest. When the instrument is on, the default level is 1.



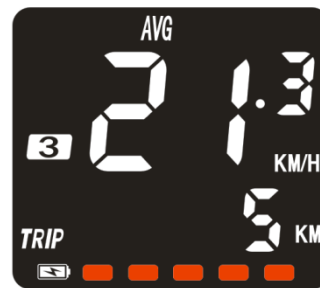
Turn on/off headlight

Press the key (+) to turn on the headlight, press the key again to turn off it and the screen is dimmed.



Display of handover

The instrument will display the current speed and ODO on the occasion of normal work without breakdown. When pressing M for a short while, you can switch to AVG and TRIP, with the corresponding indicator light on. After 5 seconds, you can change to the mode of SPED and ODO.



Capacity display

When voltage is high, 5 battery segments will be alight; when only 1 battery segment is alight, it means low power and needs to be charged.



Error code display

When something is wrong with the electric control system, the ERR light will be alight and speed position will show the error code. If the fault happens, the bicycle cannot be ridden.

35 means Motor hall signal lines/phase line fault.

36 means the internal controller fault.

37 means Speed sensor fault.

30 means communication of controller fault.

Parameter setting

In setting menu: You can do settings when pressing + and -, and entering the password 1234 on the occasion of power on and normal work of the parking instrument. (Please note that some types do not have password) You can set the number password by press + and - for a short while. You can set the next number password by pressing M for a short while. Do the same work till entering the correct password and coming into the interface of setting items.

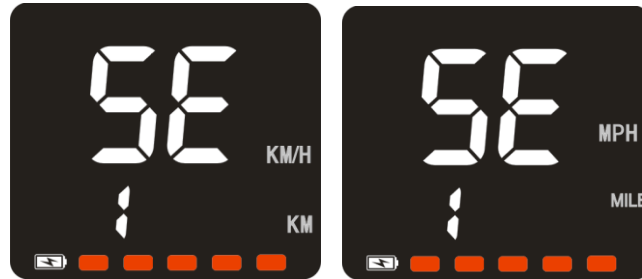


EXIT Menu: You can exit the setting menu by pressing M for a long while in any setting menu. Besides, you can exit the setting menu automatically by pressing M for a short while and switching all the setting items.

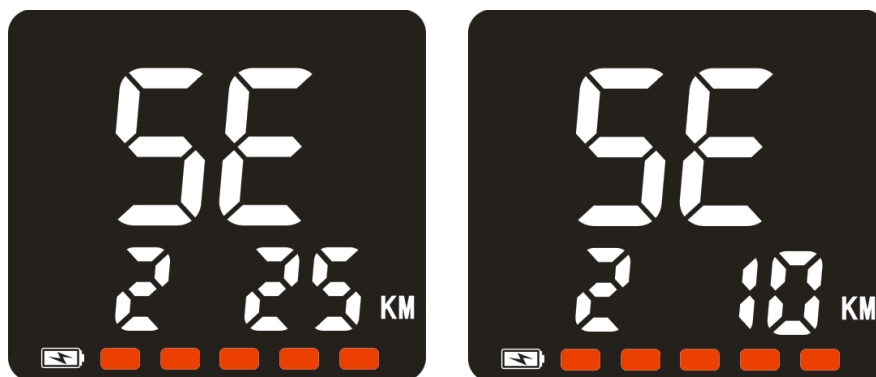
SET1: When entering the setting menu, the default setting is SET1. You can switch the mile and kilometer by pressing +/-, with the switching of speed and trip at the same time and corresponding indicator light on. You

can quit the interface by pressing **M** to set the next item for a short while or pressing **M** for a long while.

KM/H is the mile unit while **MPH** is km unit.



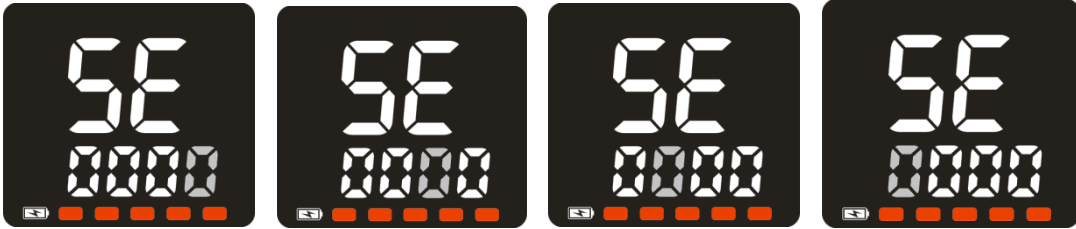
SET2(speed limited): When in SET2, the factory default limited speed of the instrument is 25km/h. The effective limited speed ranges from 10 km/h to 50km/h by pressing +/- . It doesn't work if over the range. You can quit the interface by pressing **M** for a short while to set the next item or pressing **M** for a long while.



Note: some instrument don't have the function.

Password setting: There is no password out of factory. If 0000 in the setting is changed , you need to enter the password to work normally. Each number is set by pressing the key of +/- .When pressing the key of **M** , you can change to other number to set and the corresponding number glitter. The effective number ranges from 0001-9999. If it is 0000, it means there is

no password.



Forget /set the password: There is no password when the instrument is out factory. If the user has set password or forget the password, please read through materials offered or connect manufacturer.

Quality Warranty

一、 warranty coverage:

1、 When the malfunction is caused by the quality of the product itself under regular use condition, our company will be responsible for it under guarantee.

2、 24 months from the delivery time of the display out of the factory.

二、 The following conditions are not covered by the warranty

1、 The shell is open

2、 The connectors are broken

3、 The shell is scratched or damaged after out of factory

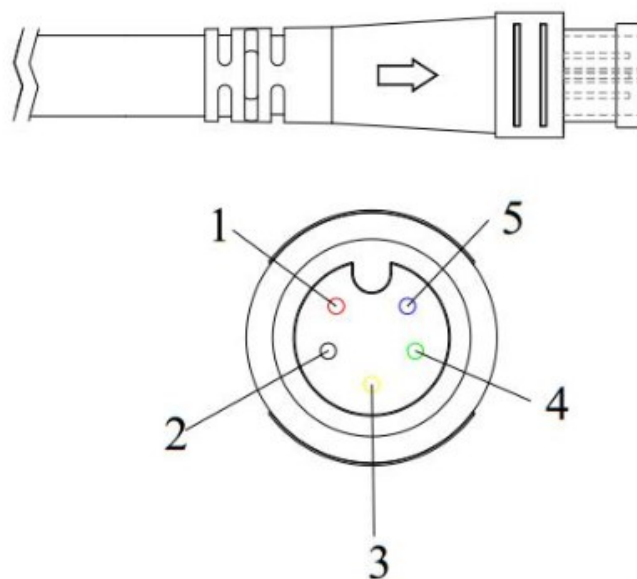
4、 The lead wires from the display are scratched or broken

5、 Damages are caused by irresistible (e.g. fire, earthquake, etc) or natural disasters (such as lightning, etc.);

6、 The product exceeds the warranty period.

Wiring Diagram

The display is matched with 5-waterproof wire and the wire definitions are as below.



number	colour	function
1	red(VCC)	Power B+
2	black(GND)	Power B-
3	yellow(B)	LINE 485B
4	green(A)	LINE 485A
5	blue(K)	Electric door lock offer weak power to other equipment

Note: Users cannot see the color of the internal wiring because of the water proof connector.