

Haytrix

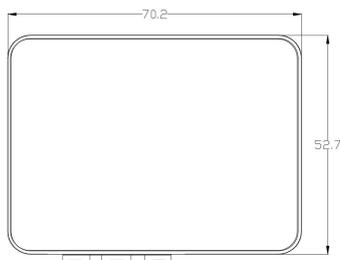
LCD-P5C Hand Control Panel Operation Instruction

2023Latest Edition-V1.0

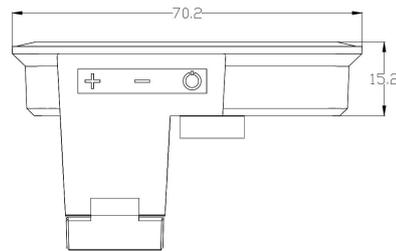


一、 Out shell Size and Material

Out shell material is ABS, Liquid crystal transparent window material is high hardness acrylic.



Front view



Side view

二、 Work Voltage and connection mode

1、 Work voltage: DC24V 、 36V、 48V、 60V 、 (which you can choose on the meter),the others you can customized.

2、 Connection mode :

Line sequence of the label connector

Instrument Outlet

Table: Line sequence of the label connector table

Order of line	Color of line	Function
1	Red (VCC)	Instrument power cord
2	Blue (K)	Controller power line
3	Black (GND)	Meter earth wire
4	Green (RX)	Meter data receiving line
5	Yellow (TX)	Data transmission line of instrument

Notes: Part of the products lead wire use waterproof connection. User cannot see the color of lead line.

三、 Function description

1、 Display function

Speed display, power level display, power indicator, failure warning, total mileage, single mileage, headlight display, single driving time display

2. Control, setting up functions

Power switch control, headlight switch control, 6Km/h point control, wheel diameter setting, maximum speed setting, idle automatic hibernation time setting, backlight brightness setting, voltage level setting

3.Communication protocol: UART2

All the contents of the display screen(full display in boot 1S)



Show content introduction

3.1 Headlight  The instrument can be manually turned on and the brightness of the sensing environment is automatically turned on(light sensitivity support is required).

3.2 Battery power display BATTERY 

3.3 PAS 

3.4 Multifunctional display area 

Total mileage **ODO**. Single mileage **TRIP**. Battery current voltage **VOL**. Current operating current **CUR**. Warning **Error**.

3.5 Speed display area 

Maximum speed **MAX**, average speed **AVG**

Unit **MPH, KM/H**

The meter will calculate the true speed based on the wheel diameter and signal data

3.6 Status icon meaning



Cruise ON



Braking



Walk

Vehicle Status Code Meaning:

Status Code(Decimal)	State Meaning	Remarks
E06	Battery undervoltage	
E07	Motor failure	
E08	Turn malfunctioning	
E09	Controller failure	
E10	Communication reception failure	
E11	Communication dispatch failure	

3.7. Setting

P02: mileage unit; (Not Set)

P03: Voltage level: 24V, 36V, 48V, 60V, 64V default 36V;

P04: Dormancy time: 0, not dormancy; Other numbers are dormancy times, range: 1-60;
Unit minutes;

P05: Help file bit: 0, 3 file mode: 1,5 gear mode:

P06: Wheel diameter: unit, inch; Precision: 0.1;

This parameter is related to the meter display speed and needs to be entered correctly;

P07: Speed gauge magnetic steel number: range: 1-100;

This parameter is related to the meter display speed and needs to be entered correctly;

If it is an ordinary hub motor, direct input of magnetic steel;

If it is a high-speed motor, it is also necessary to calculate the deceleration ratio, and the input data = the number of magnetic steel \times deceleration ratio;

For example: number of motor magnets 20, deceleration ratio 4.3: input data is: $86 = 20 \times 4.3$

P08: Speed limit: range 0-100km / H, 100 means no speed limit;

The input data here represents the maximum operating speed of the vehicle: for example, input 25, indicating that the maximum operating speed of the vehicle will not exceed 25km/h; Drive speed maintained at set value,

Error: ± 1 km/h; (Speed limit for power and steering)

Note: The value here is based on kilometers. When the unit setting is converted from kilometers to miles, the speed value of the display interface automatically converts to the correct mile value, but the speed limit value set at this menu under the mile interface is not converted. Is inconsistent with the actual speed limit of the mile speed;

Note: P09-P15 menu is only valid in communication state

P09: zero start, non-zero start setting, 0: zero start; 1: Non-zero start;

P10: The drive mode is set to 0: Power Drive(how much power is output is determined by the power file bit, and the switch is invalid).

1: Electric drive(by turning the handle drive, when the power file bit is invalid).

- 2: Power Drive and Electric Drive Coexistence
- P11: Help sensitivity setting range: 1-24;
- P12: Help start intensity setting range: 0-5;
- P13: Power Magnetic Steel Disk Type Setting 5, 8, 12 Magnetic Steel Types;
- P14: Controller limit value set default 12A range: 1-20A;
- P15: Controller low power;
- P16: ODO zero setting length press key 5 seconds ODO zero
- P17: Auto cruise: 0: No enabling cruising, 1: enabling cruising;
- P18: Display speed ratio adjustment range: 50 % ~ 150 %;
- P19: 0 power bit, 0: 0, 1: does not include 0;
- P20: 0:2 Protocol; (Not Set)

四、Key Introduction:

- 1、Power on/off: Press and hold the  button to power on/off.
- 2、Multi-function display : Turned on display. Click  button to switch the multi-functional to display interface at the bottom of the screen will switch between ODO、TRIP、VOL、CURand ODO are displayed by default after each turn on display.
- 3、PAS Set up: Turned on display. Click  button to PAS+1. Click  button to PAS-1. (The default is PAS1)
- 4、Front light: Turned on display. Press and hold  button to turn on/off the front light under the normal display speed interface.
- 5、Walk mode function: Under the interface of normal speed display. When the Ebike is stationary, press and hold  button will enter 6KM/h in walk mode. (The walk mode is divided into locked mode and non-locked mode. Locked mode: After press and hold  button enters the walking mode, the Ebike still maintains the walk mode after releasing the button. It needs to press and hold  button again or brake to exit the walking mode. Non-lock mode: Press and hold  button and the walk mode will take effect. Release the button to exit the walk mode.)
- 6、Speed mode display: On the normal display speed interface, press and hold  button and  button switches the average speed, maximum speed and real-time speed successively. (Default display the real-time SPEED)
- 7、Press and hold  button and  button enter Settings

Parameter value modification: under a parameter state, press  button switch

Parameters, press  button value plus one, press  button value minus one.

And when it's modified, press  button switch to the next parameter and save the previous parameter value; Press and hold  button and  button again to save and exit the settings. If not, wait 8 seconds to automatically exit and save the parameters.

8、ODO cleared: On the P16 menu interface. Press and hold  button for 5 seconds to cleared ODO.

9、Reset defaults: On the P16 menu interface. Press and hold  button for 2 seconds to reset all defaults. **(This operation can not cleared ODO)**

Note: due to the upgrade of the company's products, the content of the product will be different from the specifications, but it will not affect your normal use.

Address: Zhongshan Town, Heshan City, Jiangmen City, China

Web:www.haytrix-display.com