



伟创 039ZQ 型电控套件说明书

Vicont 039ZQ electric control kit manual

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Web: <http://www.vicontsz.com>



注意事项 / Precautions

- 严禁电源正负极接反，否则将会导致电控系统严重损坏，甚至造成人身伤害。
- 1, it is strictly prohibited to reverse the positive and negative poles of the power supply, otherwise it will cause serious damage to the electronic control system, and even cause personal injury.
- 避免在高温、潮湿或静电环境中使用。
- Avoid high temperature, humidity, or static environments.
- 必须确保与控制器匹配的其他电控套件正确，否则可能会发生不可预估的严重后果。
- It is necessary to ensure that the other electric control kit matched with the controller is correct, otherwise serious and unpredictable consequences may occur
- 控制器应安装在通风，防水，防震的地方并紧固好，防止松动。
- The controller should be installed in a ventilated, waterproof, shock-proof place and secured to prevent loosening.
- 请勿自行拆解产品，需返厂维修。
- Do NOT disassemble; contact authorized service.

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1.产品简介 / Product Overview

本产品为轻便系列电动滑板车专用电控套件，采用全正弦波矢量控制技术，支持 APP 智能控制。

This product is a special electric control kit for light series electric scooters. It adopts full sine wave vector control technology and supports APP intelligent control.

特点 / Key Features**:

- 高效低噪：运行平稳，噪音低。

High Efficiency & Low Noise: Smooth operation with minimal noise.

- 智能升级：支持 OTA 无线升级。

Smart OTA Updates: Supports wireless firmware upgrades.

- 安全耐用：防水防尘设计，通过 RoHS、CE、FCC 认证。

Durability & Safety: IP65 waterproof design, certified by RoHS, CE, and FCC.

- 多重保护：过压、欠压、温控保护等功能。

Multi-Protection Over-voltage, under-voltage, and temperature control protections.

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2. 产品参数 / Specifications

额定电压 / Rated Voltage 36V (Range: 30-42V)

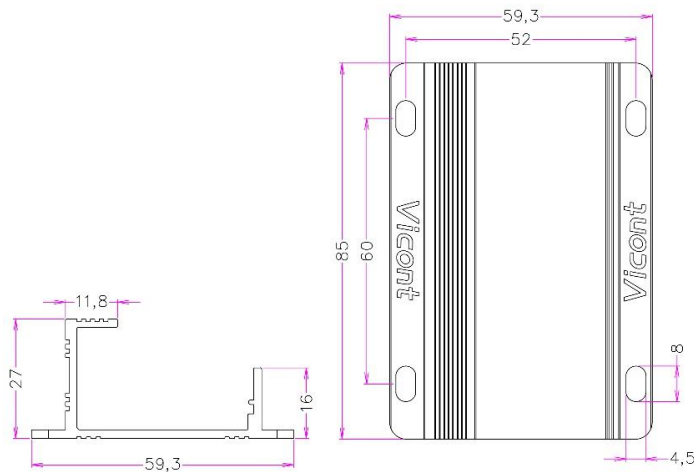
最大电流 / Max Current 15A

功率 / Power 350W

匹配仪表 / Compatible Dashboard Vicont Dashboard (with APP)

工作温度 / Operating Temperature | -15℃ ~ 120℃

3. 产品结构与接口 / Structure & Interfaces



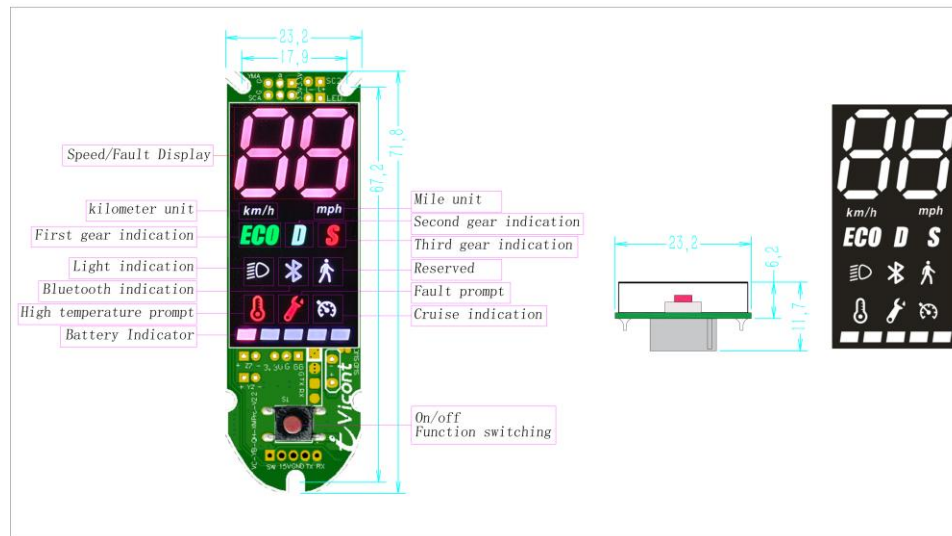
控制器安装尺寸图/ Controller mounting dimensions

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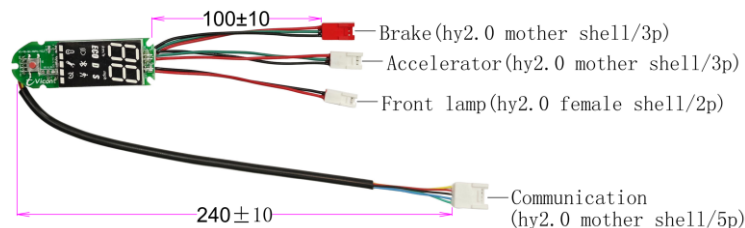
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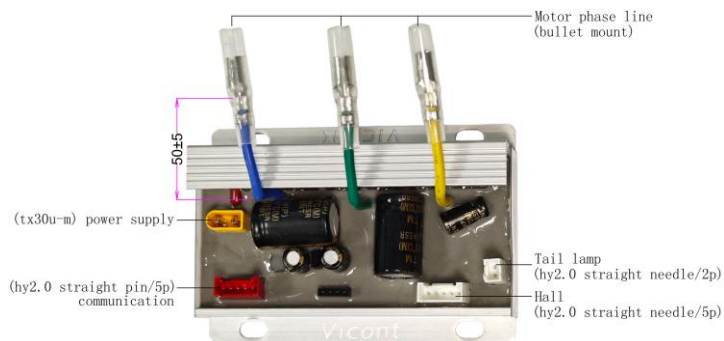
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显示仪表安装尺寸图/ Display meter mounting dimensions



显示仪表接口定义/ *Display instrument interface definition*



控制器接口定义/ *Controller interface definition*



通信线缆/ *Communication cable*

4. 操作指南 / User Guide

-开机与关机 / Power On & Off

-开机 / Power On: 长按电源键 2 秒。Press and hold the power button for 2 seconds.

-关机 / Power Off: 长按电源键 2 秒或静止 10 分钟自动关机。Press and hold for 2 seconds or auto-shutdown after 10 minutes of inactivity.

-档位切换 / Gear Switching**

-双击电源键 / Double-Click 循环切换 1 档 (8mph)、2 档 (11mph)、3 档 (16mph) Cycle through Gear 1 (8mph), Gear 2 (11mph), Gear 3 (16mph).

APP / APP Customization**: 通过伟创 APP 设置第三档速度.Customize Gear 3 speed via Vicont APP.

-灯光控制 / Light Control-单击电源键 / Single-Click: 开启/关闭前灯与尾灯.Turn front/rear lights on/off.

-锁车功能 / Lock Mode**

-操作 / Operation: 车辆静止时, 捏住刹车并连接 6 次电源键.Press the brake and power button 6 times when stationary.

- 锁车提示 / Lock prompt: 锁车后仪表显示“P”, 触发移动或操作将触发声光报警。"P" icon flashes; alarms activate if moved or operated.

-带 APP 功能, 可以通过扫描说明书首页安装 APP With APP function, you can install the APP by scanning the manual homepage

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5.电量指示说明/ Battery indicator

voltage ($\pm 0.5V$)	Display content	Residual power ratio
36-42		$\geq 86\%$
35-36		$\geq 66\%$
34-35		$\geq 50\%$
33-34		$\geq 35\%$
32-33		$\geq 15\%$
30-32		≤ 8 Please recharge the battery.

6. 安全与维护 / Safety & Maintenance

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故障代码 Fault code	故障含义 implication	检修与排除方法 Repair and elimination methods
01	油门故障 Throttle fault	检查油门线缆是否接错, 检查油门线缆是否破裂, 如线缆无异常请更换全新油门排除该故障, (请在车辆关机状态下操作) Check whether the throttle cable is connected incorrectly and whether the throttle cable is broken. If the cable is normal, replace it with a new throttle to eliminate the fault. (Please operate the vehicle when it is powered off.)
02	刹车故障 Brake failure	检查刹车把是否卡滞无法正常复位, 检查刹车器线缆是否断裂, 如均无异常请更换全新刹车排除该故障, (请在车辆关机状态下操作) Check whether the brake handle is stuck and can not be reset normally, check whether the brake cable is broken, if there is no abnormal, please replace the new brake to eliminate the fault, (Please operate in the vehicle shutdown state)
05	控制器通信上传异常 The controller communication upload is abnormal	更换控制器组件排除故障 Replace the controller component to rectify the fault
11	电机堵转保护 Motor overload protection	检查电机轴承是否卡死, 导致电机运转异常, 如果是在坑洼路面骑行导致电机卡住触发堵转保护, 只需将车辆移动到平坦路面即可解除保护。Check whether the motor bearing is stuck, resulting in abnormal motor operation. If the motor is stuck and triggered by the overload protection caused by riding on the pothole road, the protection can be lifted by simply moving the vehicle to the flat road.
13	系统通信故障 System communication failure	系统通信故障的行成因素较多, 排除时宜首先检查通信连接线是否破损压坏, 或连接器是否接驳可靠, 如过确认通信线缆没有故障, 则须依次更换仪表组件或控制器组件进行故障排除。There are many factors in the formation of system communication faults. First check whether the communication cable is damaged or crushed, or whether the connector is connected reliably. If the communication cable is confirmed to be not faulty, it is necessary to replace the instrument component or controller component for troubleshooting.
12	控制器过流故障 The controller overcurrent is faulty.	将车辆关机重启检查故障是否排除, 如依旧存在故障则更换控制器组件排除故障。Shut down and restart the vehicle to check whether the fault is removed. If the fault still exists, replace the controller component to remove the fault.

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14	系统过压保护 System overvoltage protection	车辆装配了超过控制器允许电压的电池, 请安装车辆原装电池即可排除故障, 例如 36V 系统接入 48V 电池则会触发该故障。If the vehicle is equipped with a battery that exceeds the allowable voltage of the controller, please install the original battery of the vehicle to troubleshoot the fault. For example, if the 36V system is connected to the 48V battery, the fault will be triggered.
15	电池低压保护 Low-voltage battery protection	车辆电池电过低, 请使用适配器给车辆充电。 The vehicle battery is too low, please use the adapter to charge the vehicle.
16	控制器缺相故障 Controller output fault	更换控制器组件排除故障 Replace the controller component to rectify the fault
17	电机霍尔故障 The motor Hall sensor is damaged	检查电机霍尔传感器线缆是否破损断裂, 连接器是否稳定可靠, 如线缆无异常, 则需要更换全新电机排除。 Check whether the Hall sensor cable of the motor is damaged or broken, and whether the connector is stable and reliable. If the cable is normal, replace the motor with a new one.
21	控制器运放故障 The controller operation amplifier is faulty	更换控制器组件排除故障 Replace the controller component to rectify the fault
42	控制器高温保护或控制器温度传感器损坏 The controller high temperature protection or the controller temperature sensor is damaged	如果是在刚开机或生产装配时出线该故障, 请更换控制器组件排除。如果在极端环境使用车辆, 例如高负载爬坡后出现该故障, 只需要将车辆关机静置 30 分钟, 待温度恢复正常即可使用。If the fault occurs during startup or production assembly, replace the controller component to rectify the fault. If the fault occurs when the vehicle is used in an extreme environment, such as after climbing with a high load, it is only necessary to shut down the vehicle and leave it for 30 minutes. It can be used when the temperature returns to normal.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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