

Permanent magnet synchronous motor controller YQ Nanjing far drive technology co. LTD The buzzer sounded The controller is equipped with a buzzer. When there is an alarm, the buzzer will send out the corresponding alarm information. 1.

Description of alarm frequency of buzzer:

- 1.1 the buzzer will sound once when the machine is normally started, and then no longer.
- 1.2 if there is a long noise, please check whether the brake and throttle are effective at the same time. With this feature, you can check whether the brakes and throttle are working properly: hit the buzzer at the same time and let go of either one Don't ring.
- 1.3 if there are 2 short sounds and 1 long sound, and the cycle is repeated, it indicates that the controller is in the self-learning state and should follow the self-learning operation steps Complete self-learning.
- 1.4 if 2 short sounds appear, stop briefly, and then 1 short sound appears again, which means that the controller program verification fails. In this case, the program should be re-upgraded.
- 1.5 if 4 short 1 long and 5 short, repeat, it means that the upgraded program and the controller do not match, please check Check whether the program is consistent with the model number on the controller label, and if not, find the corresponding program to upgrade.
- 1.6 if 1 to 15 times of sound occurs, fault shall be judged according to the frequency of sound. The fault table is as follows:

Fault description	voice	The number of	Motor hall fault
1) The signal line between the controller and the motor is not properly connected. Or motor hob	You have a problem and need to replace it.	2	1
2) accelerator pedal failure	21)	during self-learning, the learning in one direction will stop automatically after completion. And report this fault, remind you to loosen the throttle. (just loosen the throttle)	2)
3) no return position of the throttle knob/pedal was detected when the machine was started. (the accelerator	Place)	3)	when idle, the throttle voltage is higher than the low threshold value. The low threshold needs to be raised
Parameters)	4)	the throttle handle/pedal is broken. (replace the throttle knob/pedal)	5)
5) when turning to			

the bottom/pedal to the bottom, the throttle voltage ratio is high thresholdHeight above 0.6v. (the high threshold parameter needs to be raised.)6) failure will be displayed by default when the controller is started. When the self-check is passed,The malfunction will disappear. (no need to deal with)3 current protection restart 3 abnormal protection alarm4 phase current overflows 4Abnormal protection alarm (reduce the current limiting parameter control phase electricity at each speedFlow not exceeding maximum phase current valueVoltage failure 5Voltage is too low or too high, beyond the allowable range of the controller. (check the batteryVoltage overvoltage or undervoltage)Burglar alarm signal 6The anti-theft function will prompt the alarm when the anti-theft function is activated. (anti-theftState)Motor temperature too low or too high beyond the use range8 controller overheat 8 controller temperature is too low or too high out of the range of use9 phase current mutation 9 abnormal protection alarm (reduce the maximum phase current parameter)10 phase current zero point fault 10 controller internal alarm (replace the controller)Nanjing remote drive permanent magnet synchronous motor controller YQNanjing far drive technology co. LTDPhase line short circuit fault motor coil fault. (replace motor)12 wire current zero point fault 12 controller internal alarm (replace the controller)MOSFET bridge failure 13Check whether the phase line of the controller is short-circuited with the positive pole, remove the short-circuit factor,If the controller itself shortens, replace the controller14 MOSFET under bridge failure 14Check whether the phase line of the controller is short-circuited with the negative electrode, remove the short-circuit factor,If the controller itself shortens, replace the controller.Pay attention to the motor phase line andA short circuit in the housing can also cause this fault, so check the motor firstShort circuit to housing, if not, then consider other factors.15MOE peak line currentTo protect the15You can see in the statistics that the MOE count, it appears once, it accumulates oneTimes. (reduces

the phase current for 84V or above of the controller in the otherThe MOE protection can be turned off when the parameters are well debugged. Note that inCurrent limiting parameters have not been the highest speed limit can not beShut off, once the motor overspeed weak magnetic too deep without protection will burn control)