显示面板，按键功能图

一、操作说明：

控制器上电之后，显示面板显示电机送带速度"L030"，

Upon powering up the controller, the display panel shows the motor feed speed "L030".

按"-"功能键减小送带速度。

Press the "-" function key to decrease the feed speed.

按"+"功能键增加送带速度。

Press the "+" function key to increase the feed speed.

速度可调范围为1 – 100。

The adjustable speed range is from 1 to 100.

长按P键，进入参数设置功能显示"P002"~"P004"，

Press and hold the P key to enter the parameter setting function, displaying "P002" to "P004".

按+/-选择需要修改的参数编号，

Press +/- to select the parameter number you wish to modify,

再次按P键返回到速度调节界面。

Press the P key again to return to the speed adjustment interface.

按S键进入修改该参数，修改状态参数会闪烁，按+/-可以修改该参数值，再次按S键返回到功能选择界面。

Press the S key to enter the parameter modification mode, where the parameter will blink, and you can modify its value using the +/- keys. Press the S key again to return to the function selection interface.

二、参数说明

II. Parameter Explanation:

"P002"为编码器分辨率，出厂已经设置好请勿修改，如果需要修改，选择 P002 参数，按"S"键参数开始闪烁，然后启动缝纫机匀速转动几圈，控制器会自动识别编码器参数，再按"S"键保存退出。（外置编码器参数为 48，不同缝纫机内置编码器参数不同）。

"P002" is the encoder resolution, which is factory-set and should not be modified. If modification is necessary, select the P002 parameter, press the "S" key, and the parameter will start blinking. Then, start the sewing machine to rotate at a constant speed for a few rounds, and the controller will automatically recognize the encoder parameters. Press the "S" key again to save and exit. (The external encoder parameter is 48, and different sewing machines have different internal encoder parameters).

"P003"为电机转动方向，默认为"0"，设置"1"为反转。

"P003" is the motor rotation direction, defaulting to "0", and setting it to "1" reverses the direction.

"P004"为电机运转电流，默认 42 电机电流为 0.5A，可调范围为 0.5 - 1.5A，小 57 电机为 1.0A。增大电流可以增加电机转矩，但也会增大发热量，满足力矩需求下电流设置越小越好。

"P004" is the motor operating current, with a default of 0.5A for the 42 motor, adjustable within the range of 0.5 to 1.5A, and 1.0A for the small 57 motor. Increasing the current can enhance the motor torque but also increases heat generation. The current should be set as low as possible under the condition of meeting the torque requirements.

"P005"为测试模式，按"S"键显示"----"并开始闪烁，电机开始间歇转动。

"P005" is the test mode. Press the "S" key to display "----" and start blinking, and the motor will begin intermittent rotation.