

Single Board Pulse Controller Simple Type TSP-2000S



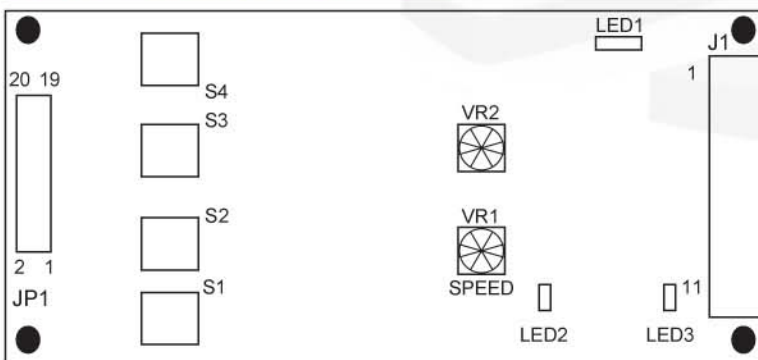
► Features

- There are 2 setting types of pulse quantity and operation pulse speed which from the knob on the P.C.B. panel or connected the external boxed header bus
- The max operation pulse speed is 2kpps
- According to the user's need, the pulse width can be adjusted
- It has the external input signal contact such as START (start)、SCAN (Continuous operation)、STOP (stop) and internal output signal contact BUSY (Operating)、READY (Operation finish)、PULSE OUT (Pulse output)

► Specs

Model	TSP-2000S				
Power input	DC5~24V				
Consumption current	Power input	5V	12V	15V	24V
	Max instantaneous consumption current during start	40mA	50mA	60mA	80mA
	State consumption current	30mA	20mA	10mA	10mA
	Max consumption current during operation	40mA	40mA	40mA	40mA
Signal input mode & Input signal	<ul style="list-style-type: none"> • Photocoupler insulated circuit DC5~24V, Less 50mA : START, SCAN, STOP, E-DA1~E-DA4, E-DB1~E-DB4, E-DC1~E-DC4, E-DD1~E-DD4 				
Signal output mode & Output signal	<ul style="list-style-type: none"> • Photocoupler insulated circuit DC5~24V, Less 50mA : BUSY, READY • Open collector output DC5V : PULSE OUT 				
Position data	1 set program setting				
Position control	<ul style="list-style-type: none"> • Pulse quantity: 1~9999 PULSE • Operation pulse speed : 100~2000pps 				
Control mode	<ul style="list-style-type: none"> • Internal control • External control 				
Operation mode	<ul style="list-style-type: none"> • Positioning operation • Continuous operation 				
Dimension	112 (L) × 75 (W) × 30 (H)				
Weight (g)	130				

► Brief introduction of P.C.B.

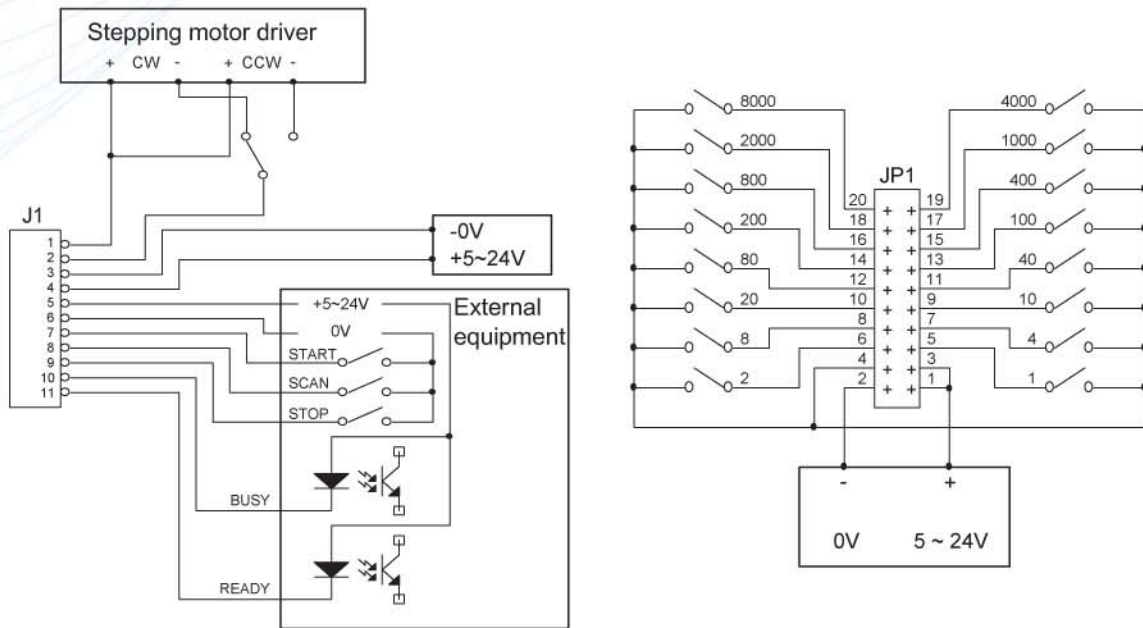


- JP1 : 20 pins boxed header bus
- S4 : Pulse quantity setting knob (Millesimal)
- S3 : Pulse quantity setting knob (Centesimal)
- S2 : Pulse quantity setting knob (Ten's digit)
- S1 : Pulse quantity setting knob (Unit)
- J1 : 11 pins connector
- VR1 : SPEED pulse quantity setting
- VR2 : READY pulse width setting
- LED1 : Power Indicator (Green)
- LED2 : Pulse output indicator (Yellow)
- LED3 : Operation indicator (Red)

2 phase Stepping Motor
 5 phase Stepping Motor
 Gearhead Stepping Motor Driver
 2 phase Stepping Motor
 3 phase Stepping Motor
 5 phase Stepping Motor
 Low-Speed Synchronous Motor
 Stepping / Servo Motor Controller
 Accessories
 Motor Selection

Stepping / Servo Motor Controller Series

▶ Wiring diagrams



- Note :
1. When choosing the digital knob, please set the boxed header bus at the "OPEN" condition (Or not used)
 2. When choosing the boxed header bus, please set the digital knob at "0000"
 3. Please using the wires as short and thick as possible which would't cause the wiring of common impedance
 4. Please use the twisted pair lines connect to the control device (switch) and driver
 5. Wiring length make sure within 3m and keep the interval more than 10 cm between the noise source 、 relay and solenoid (The wiring length of PULSE OUT+ and PULSE OUT - make sure within 1m)

▶ Dimension (Unit:mm)

