

1 Channel | E53.D1S-L

Compact Piezo Controller



The E53.D1S-L piezo controller is a 1-channel piezo controller designed based on the standard E53.D1S-H piezo controller. It can be operated through software via serial port, USB or network port.

Characteristics

- Single channel
- Small size
- 24VDC1.5A (36W) power supply
- Easy to integration
- Open loop or Servo control

Applications

- Driving piezo actuator
- Driving FTS fast tool positioner
- Driving piezo nanopositioning stage
- Driving piezo scanning platform
- Driving piezo objective scanner
- Driving piezo shifter



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Technical Data

Type	E53.D1S-L
Channels	1
Input voltage(V)	-1.67~10
Output voltage(V)	-20~120(Optional -20~150)
Peak current(A)	1
Ave. current(mA)	60
Bandwidth(kHz)	10
Ripple(mVpp)	10(@2.2μF)
PZT connector	ZPG.0B.306.HLN
Input connector	SMB
Sensor type	SGS
Servo characteristics	Analog P-I+Notch filter +Low pass filter
Sensor connector	ZPG.0B.306.HLN
Sensor output connector	SMA
I/O interface	Setting the input or output
I/O connector	EPG.0B.304.HLN
Communication Interfaces	RS-232/422(DB9), USB(Type-C), Ethernet
Baud rate	9600, 19200, 38400, 115200
Secondary development baud rate	9600, 19200, 38400, 57600, 76800, 115200 , 128000, 230400, 256000
Processor	32Bit 168MHz
D/A converter	16Bit
A/D converter	16Bit
Operating temperature(°C)	0~50
Output current, short-circuit(mA)	60
Overcurrent indicator	Lights when output ave.current > 60mA
Static power(W)	5
Size(mm^3)	200×30×80
Mass(kg)	0.46
Power supply	24V(20~30V)DC1.5A(36W)


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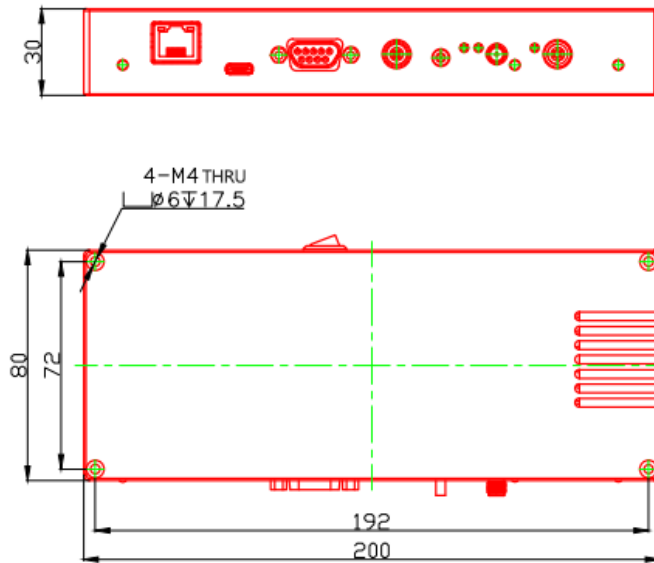
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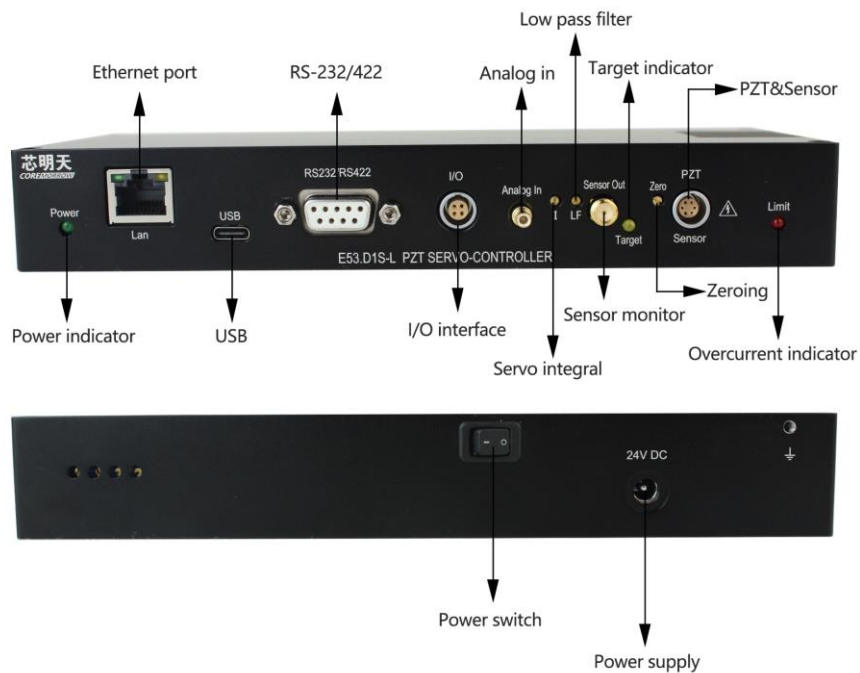
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Drawing



Panel introduction



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