

3 Channels | E71.D3E/C3K-J

Piezo Controller for Piezo Motor



Characteristics >>

- 3 channels
- Computer software control
- USB, RS-422, RS-232 communication
- Suitable for driving piezo motor

Applications >>

- For driving linear piezo motor
- For driving angular piezo motor
- For piezo motor

Introduction

E71.D3E/C3K-J piezo motor controller is a small-size, high-power, low-power, low-ripple 3-channel piezo motor controller developed by CoreMorrow for the control of linear or angular piezo motor stage. E71.D3E-J is servo version, and E71.C3K-J is open-loop version. The controller uses DC24V power supply, uses USB, RS-422, RS-232 communication interfaces, and is controlled by upper computer software.



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Technical Data >>

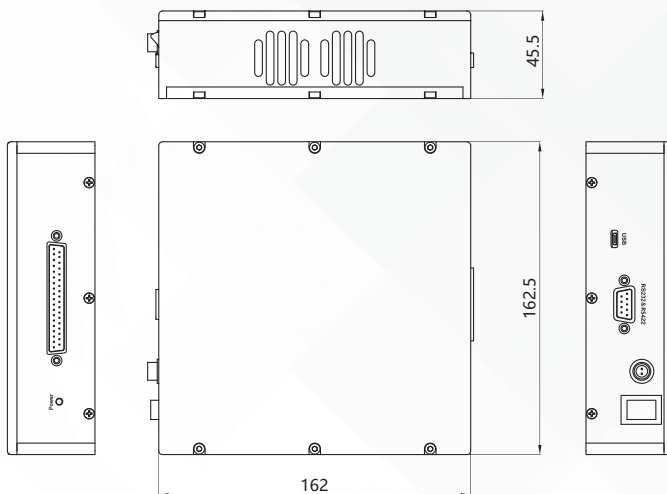
| Type | E71.D3E-J | E71.C3K-J | Units |
|------------------------------|-------------------|-------------------|-----------------|
| Servo control | Servo control | Open loop | |
| Power supply | 24VDC/4A(20V~30V) | 24VDC/4A(20V~30V) | |
| Static power consumption | <10 | <10 | W |
| Processor | 32bit 168MHz | 32bit 168MHz | |
| D/A converter | 16bit | 16bit | |
| Serial port baud rate | 115200 | 115200 | |
| Communication Interface | USB、RS-422、RS-232 | USB、RS-422、RS-232 | |
| Nominal voltage range | -20~120 | -20~120 | V |
| Peak current | 1 | 1 | A |
| Average current | 75 | 75 | mA |
| Ripple | 10 (@2.2μF) | 10 (@2.2μF) | mVpp |
| Rated output power | 50 | 50 | W |
| Operating temperature range | 0~50 | 0~50 | °C |
| Output short-circuit current | 60 | 60 | mA |
| PZT connector | DB37 | DB37 | |
| Communication connector | DB9、MicroUSB | DB9、MicroUSB | |
| Size | 162.5×162×45.5 | 162.5×162×45.5 | mm ³ |
| Mass | 1.3 | 1.3 | kg |

Remarks:

[1] Custom is available.

[2] Custom cable length and connector ara available.

Drawing >>



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