

E00.D10AL Piezo Servo Controller Software

User Guide

1.Serial Port Initialization >>

Please select the corresponding baud rate"115200".

COM:

SET COM

Baud Rate:

2.Single Point Control >>

A area

INFO:

A:1CH:	<input type="text" value="0"/>	V	Single Point	Read info	Set Open Loop	Record to EXCEL
Increment:	<input type="text" value="0"/>	V	<input checked="" type="checkbox"/> Check1	D <input type="text"/>	Set closed loop	Read open/closed loop condition
A:2CH:	<input type="text" value="0"/>	V	INFO:	Single Point	Read info	Set Open Loop
Increment:	<input type="text" value="0"/>	V			Set closed loop	Record to EXCEL
A:3CH:	<input type="text" value="0"/>	V	INFO:	Single Point	Read info	Set Open Loop
Increment:	<input type="text" value="0"/>	V			Set closed loop	Record to EXCEL
					Read open/closed loop condition	

Please fill in the value of 10 volt in A:CH1, then click send to complete the data sending.

Increment: indicates a small step increase.

☒ Check1 : indicates that the channel could be operated.

Set Open Loop : indicates that the piezo controller is set to open loop state, then the unit will change accordingly.

Set closed loop : indicates that the piezo controller is set to closed loop state, then the unit will change accordingly.

Read open/closed loop condition : indicates that the current status of the piezo controller is read.

Record to EXCEL : indicates that the read data is stored in excel.

D : switch control mode to choose digital or analog control.

☐ Multi channel selection : indicates that multi-channel data is selected at the same time.

Multiple selection sending : the corresponding data is sent based on the actual number of channels selected.

Multi channel selection record : according to the actual number of channels selected, the corresponding voltage and displacement information is stored.



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Read System Information

: indicates the system information, including maximum voltage, minimum voltage, maximum displacement, and minimum displacement. The information is also displayed below the software screen.

System Information

Info:MaxVolt

Info:MinVolt

Info:Max Displacement

Info:Min Displacement

3.Waveform Transmission Control >>

A area

<input checked="" type="checkbox"/> A	Vp-p	Fr Hz	Bias		
<div style="border: 1px solid #00aaff; padding: 2px;">Sine Wave</div> ▾	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/> v	<div>Send</div>	<div>Stop</div>
<div>Sine Wave</div> ▾	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/> v	<div>Send</div>	<div>Stop</div>
<div>Sine Wave</div> ▾	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/> v	<div>Send</div>	<div>Stop</div>

Select the command that sends the waveform, and click the "Send" or "Stop" button to control the waveform sending function. Same goes for the other channels.

4.Phase angle waveform control >>

A area

<input checked="" type="checkbox"/> A	Vp-p	Fr Hz	Bias	Phase angle	
<div style="border: 1px solid #ccc; padding: 2px;">Sine Wave</div> ▾	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/> v	<input type="text" value="0"/>	<div>Send</div>
<div style="background-color: #eee; border: 1px solid #ccc; height: 20px;"></div> ▾	<input type="text" value="0"/>	<div style="background-color: #eee; border: 1px solid #ccc; height: 20px;"></div>	<input type="text" value="0"/> v	<input type="text" value="0"/>	<div>Send</div>
<div style="background-color: #eee; border: 1px solid #ccc; height: 20px;"></div> ▾	<input type="text" value="0"/>	<div style="background-color: #eee; border: 1px solid #ccc; height: 20px;"></div>	<input type="text" value="0"/> v	<input type="text" value="0"/>	<div>Send</div>

Start

Stop

Fill in the corresponding data, click "Send" to send the data to the piezo controller, then click "Start" button to finish sending the phase angle waveform. Click "Stop" button to stop sending the phase angle function. Same goes for the other channels.


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