

AD101 (v1.0)

Position Controller w. Analog Feedback



- Analog Positioning mode
- 10-bit resolution (200 steps) 2.4Ghz
- 1420mhz (FM) DSSS, EIRP max 100mW
- 2-wire RS485 (Modbus RTU) IC1

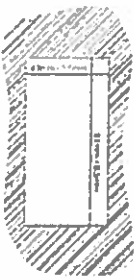
CONNECTIONS



Pin	Label	Function
1	VCC	5VDC
2	NC	Not Connected
3	NC	Not Connected
4	NC	Not Connected
5	NC	Not Connected
6	NC	Not Connected
7	NC	Not Connected
8	NC	Not Connected
9	NC	Not Connected
10	NC	Not Connected
11	NC	Not Connected
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18	NC	Not Connected
19	NC	Not Connected
20	NC	Not Connected
21	NC	Not Connected
22	NC	Not Connected
23	NC	Not Connected
24	NC	Not Connected
25	NC	Not Connected
26	NC	Not Connected
27	NC	Not Connected
28	NC	Not Connected
29	NC	Not Connected
30	NC	Not Connected
31	NC	Not Connected
32	NC	Not Connected
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18	NC	Not Connected
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PANEL CUT-OUT



PARAMETERS

Param	Description	Units	Min	Max
P-01	Setpoint	mm	-1000	1000
P-02	Velocity	mm/s	0	1000
P-03	Acceleration	mm/s ²	0	10000
P-04	Deceleration	mm/s ²	0	10000
P-05	Positioning Time	ms	0	10000
P-06	Positioning Time	ms	0	10000
P-07	Positioning Time	ms	0	10000
P-08	Positioning Time	ms	0	10000
P-09	Positioning Time	ms	0	10000
P-10	Positioning Time	ms	0	10000
P-11	Positioning Time	ms	0	10000
P-12	Positioning Time	ms	0	10000
P-13	Positioning Time	ms	0	10000
P-14	Positioning Time	ms	0	10000
P-15	Positioning Time	ms	0	10000
P-16	Positioning Time	ms	0	10000
P-17	Positioning Time	ms	0	10000
P-18	Positioning Time	ms	0	10000
P-19	Positioning Time	ms	0	10000
P-20	Positioning Time	ms	0	10000
P-21	Positioning Time	ms	0	10000
P-22	Positioning Time	ms	0	10000
P-23	Positioning Time	ms	0	10000
P-24	Positioning Time	ms	0	10000
P-25	Positioning Time	ms	0	10000
P-26	Positioning Time	ms	0	10000
P-27	Positioning Time	ms	0	10000
P-28	Positioning Time	ms	0	10000
P-29	Positioning Time	ms	0	10000
P-30	Positioning Time	ms	0	10000
P-31	Positioning Time	ms	0	10000
P-32	Positioning Time	ms	0	10000
P-33	Positioning Time	ms	0	10000
P-34	Positioning Time	ms	0	10000
P-35	Positioning Time	ms	0	10000
P-36	Positioning Time	ms	0	10000
P-37	Positioning Time	ms	0	10000
P-38	Positioning Time	ms	0	10000
P-39	Positioning Time	ms	0	10000
P-40	Positioning Time	ms	0	10000

HOW TO SET

1. Press **SET**, read "CAL" on display
2. Enter built-in value using **A/V** press **SET**
3. Enter built-in value using **A/V** press **SET**

RESET

Press **V** 3 sec., read "RST" on display. Press **SET** when "RST" is displayed.

Display: **RST**

CALIBRATION

1. Press **A** 3 sec., read "CAL1" on display (H=11)

2. Bring pot multi-wire to 0 position, enter pot position value by **A/V**.

3. Press **SET**, read "CAL2" on display

Display: **CAL1**
00
CAL2
3000

4. Bring pot multi-wire to 100% position, enter pot position value by **A/V**, then press **SET**.
- Note 1: If action "PASSWORD IS FORGOTTEN" is required to enter calibration.
- Note 2: The calibration is done by 2 pot w/ multi-wire. The points should not be end points. It is advisable for good calibration.
- Note 3: Before the calibration of 2 (pot) point, read the entire.

EX-FACTORY

3 sec. Press **SET**, read "EX-FACTORY" on display. Press **SET** when "EX-FACTORY" is displayed.

IF PASSWORD IS FORGOTTEN

Press and keep pressing **V** and push on the controller "HOLD" on the display. Then password is read and stored in the controller.

CHANGING THE PARAMETER

1. Press **SET**, the "Pr" is read on the display (Pr=0001)
 2. Use **A/V** to select parameter to be changed
 3. Press **SET**, read the value of parameter selected
 4. Use **A/V** to enter the new parameter value
 5. Press **SET**, the "Pr" is read on the display
 6. To change the password, when the display shows Pr=0002, 1-3 sec. Press **SET**, the "Pr" is read on the display
- Note 1: If action "PASSWORD IS FORGOTTEN" is required to enter parameter.

