AD-4329A-01

BCD OUTPUT

INSTRUCTION MANUAL

A&D
A&D Company, Limited

1WMPD4003007

1. Installation

Install the AD-4329A-01 option board as described below:

Note: The supporting post, the two screws to fasten the post and the cable are provided with the AD-4329A-01 option board.

1. Remove the power cord and other cables from the indicator.

2. Remove four screws and four bolts from the rear panel.

3. Remove two slide-rails, one on each side.

4. Pull out the rear panel and main board from the case. Then the connector between the main board and the display board may be disconnected smoothly.

5. Remove two screws and the RS-232C board from the indicator's rear panel.

6. Install the AD-4329A-01 option board on the rear panel from inside. Fasten the board to the rear panel from outside, using the two screws removed in step 5. Then, place the supporting post on the main board. Fasten the post to the option board using the screws provided with the option board.

7. Connect the option cable to the option board connector and to the main board J3 connector, using much care as to the connector direction.

8. Insert the main board into the both main board guides. Then the connector between the main board and the display board is re-connected. If the rear panel will not close completely, retry step 8 to insert the main board correctly.

9. Attach both slide-rails. Fasten the rear panel using four screws and bolts removed in step 2.
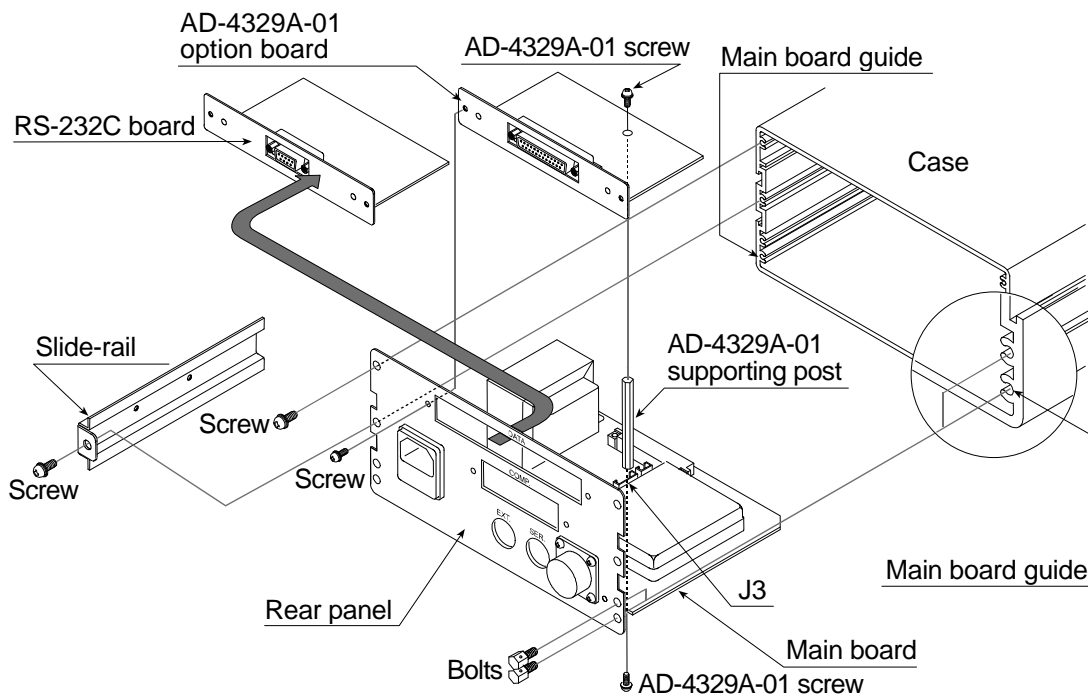
**Note: Do not remove or loosen any screws other than those described above.**

2. Specifications

AD-4329A-01	BCD output
Applicable connector	57-30500 manufactured by DDK Ltd or equivalent (One connector provided)
Output voltage	35VDC max.
Maximum current	30mA
Output saturation voltage	1.6V max.
Open collector output	(TTL level output available. For details, contact your local sales representative.)

Related settings

Item	Parameter	Description	
Output data	F-50 0	Displayed value	
	F-50 1	Gross data	
	F-50 2	Net data	
	F-50 3	Tare value	
Output mode	F-51 0	Stream mode	Outputs each time the display is refreshed.
	F-51 1	Auto print mode	For details, refer to the AD-4329A instruction manual.
	F-51 2	Manual print mode	For details, refer to the AD-4329A instruction manual
Auto print condition	F-52 0	Positive data only	
	F-52 1	Positive and negative data	
Output logic	F-53 0	Negative logic	When data is "1", transistor is "ON". When the display is blank, transistor is "OFF".
	F-53 1	Positive logic	When data is "0", transistor is "ON". When the display is blank, transistor is "OFF".
Print command logic	F-54 0	Negative logic	
	F-54 1	Positive logic	

Output circuit and print command timing
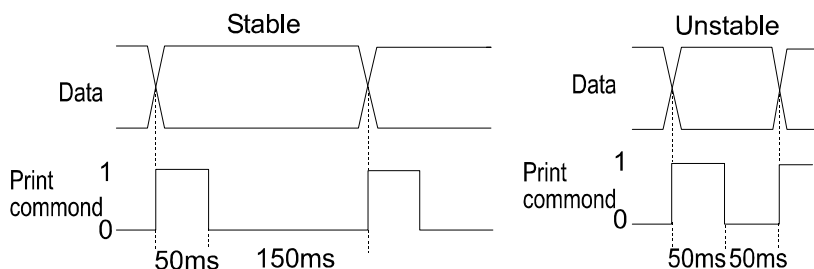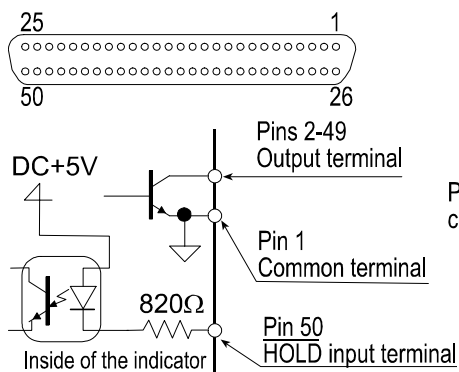
The data is read at the fall of the print command, as the data is not definite before and after the rise of the print command. The data is also considered valid if read twice and it remains the same.

Terminals

Note: Make connections only to the pins listed below.

Pin No.	Direction	BCD code		Description
2	Output	1	10^0	
3	Output	2		
4	Output	4		
5	Output	8		
6	Output	1	10^1	
7	Output	2		
8	Output	4		
9	Output	8		
10	Output	1	10^2	
11	Output	2		
12	Output	4		
13	Output	8		Value BCD code
14	Output	1	10^3	0: 0000
15	Output	2		1: 0001
16	Output	4		2: 0010
17	Output	8		3: 0011
18	Output	1	10^4	4: 0100
19	Output	2		5: 0101
20	Output	4		6: 0110
21	Output	8		7: 0111
22	Output	1	10^5	8: 1000
23	Output	2		9: 1001
24	Output	4		OVER: 1111
25	Output	8		
47	Output	$\overline{\text{OVER}}$		OVER: 0
42	Output	Polarity		+: 1, -: 0
33	Output	STABLE		Stable: 1
27	Output	NET		Net output: 1
43	Output	$\overline{\text{Decimal point } 10^1}$		
44	Output	$\overline{\text{Decimal point } 10^2}$		Decimal point：Relevant digit only: 0
45	Output	$\overline{\text{Decimal point } 10^3}$		
46	Output	$\overline{\text{Decimal point } 10^4}$		
34	Output	UNIT1		kg ：UNIT1=0, UNIT2=0
35	Output	UNIT2		t ：UNIT1=1, UNIT2=0
49	Output	Print command		1:Data confirmation
1	－	Common		Input/output common terminal
50	Input	$\overline{\text{HOLD}}$		