AD-8552EIP



- Do not turn on the converter until installation is complete. The convertor is not equipped with a switch to turn it off.
- To prevent foreign matter from entering this device, do not remove the protective cover until the installation and wiring are completed. Also, to prevent overheating, be sure to remove the protective cover before turning on the power after installation and wiring.

4. Specification	
4.1. Specification	
Voltage requirement	DC 24 V +10%、-15%
Power requirement	9W Max. (When power is supplied to 4 units such as an AD-4212C)
Communication	EtherNet/IP ×2 (For connection to control equipment)
interface	RS-232C×4 (For connection with a weighing instrument)
Operating conditions	0°C to +50°C, Max 85 %RH (no condensation)
External dimensions	105 (W)×112 (H)×103 (D) mm
Accessory	Simplified instruction manual
Mass	Approximately 440 g

4.2. Communication spec	ification (EtherNet/IP)
Communication standard	EtherNet/IP (CT18 compliant)
Vender ID	188
Device type	43(0x2B): Generic Device
Transmission speed	10/100Mbps (automatic negotiation)
Communication method	Full duplex / half duplex (automatic negotiation)

4.3. Communication specification (RS-232C)		
Baud rate	2400, 9600, 19.2k, 38.4k (Set by SW-3, 4.)	
Data bit length	7 bit fixed	
Parity	EVEN fixed	
Terminator	<cr><lf> fixed</lf></cr>	

5. Front and Rear Panel

4.





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6. Connections 6.1. Power supply

Connections example When connecting and removing the cables, push the buttons with a driver etc.

We recommend use of rod type crimp terminals for the tips of cables.



XShields of the RS-232C connector are connected internally to the FG of the power connector.

- Do not use the product at a voltage exceeding the rated voltage (DC24V +10%-15%).
- Ground the FG terminal of the switching power supply used for the power supply.



* A LAN cable is not included. Please use a commercially available product. 6.3. RS-232C



* When using some weighing devices, such as AD-4212C, the power from this device can be used to operate the weghing device, and wiring of the power supply is not required. Please check the A&D website for the compatible models.

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7. Switch

* Set

7.0

8mm

Connection to PLC, HUB or PC, etc.

Change the switch settings according to your operating environment. Be sure to turn off the AD-8552EIP after changing the setting. When the power is turned on, the switch setting change is reflected.

7.1. Communication setting for EtherNet/IP

			0	
	SW-1	SW-2	IP address	
	0	0	It will be the address set in the web interface.	
	0	1	[192.168.0.1]	
	n1	n2	[192.168.0. (n1×16 + n2×1)]	
	F	E	[192.168.0.254]	
	F	F	[192.168.1.10]	
<	Setting exa	mple>		
		ה (הוקות: ר	When set as shown on the left	
$\mathbb{W}^{4,5} \mathcal{O}_{1}$ SW-1 : $\mathbb{Z} \to n1 = 2$		SW-1 : 2→ n1 = 2		
8(23)0		2	SW-2 : 4 → n2 = 4	
	-V0384			
	$SW-1 \times 16$ 4th octet = n1×16 + n2 ×1			
3450		٦	= 2 ×16 + 4 ×1	
6 (3) = 32 + 4		= 32 + 4		
	30.094			
	SW 2 ×1 IP addross = [102 168 0 36]			
	500-2 4.	-	11 address = [192. 100. 0. 50]	
Set the IP address so that it does not duplicate that of other devices.				
7	7.2 Communication setting for RS-232C			

7.2. Communication setting for RS-232C				
	No.1	No.2	CH1:RS-232C baud rate	
	OFF (0)	OFF (0)	2400	
	OFF (0)	ON (1)	9600	
	ON (1)	OFF (0)	19200	
014/ 0	ON (1)	ON (1)	38400	
500-3	No.3	No.4	CH2:RS-232C baud rate	
	OFF (0)	OFF (0)	2400	
	OFF (0)	ON (1)	9600	
	ON (1)	OFF (0)	19200	
	ON (1)	ON (1)	38400	
	No.1	No.2	CH3:RS-232C baud rate	
	OFF (0)	OFF (0)	2400	
	OFF (0)	ON (1)	9600	
014 4	ON (1)	OFF (0)	19200	
	ON (1)	ON (1)	38400	
300-4	No.3	No.4	CH4:RS-232C baud rate	
	OFF (0)	OFF (0)	2400	
	OFF (0)	ON (1)	9600	
	ON (1)	OFF (0)	19200	
	ON (1)	ON (1)	38400	

7.3. Other settings

Setting of decimal point position

SW-5		Value stored in AD-8552EIP (Eg. Weighing output is123.456 g)		
No.2	No.3	No.4	Decimal position	Weighing value
OFF (0)	OFF (0)	OFF (0)	0	123
OFF (0)	OFF (0)	ON (1)	1	1234
OFF (0)	ON (1)	OFF (0)	2	12345
OFF (0)	ON (1)	ON (1)	3	123456
ON (1)	OFF (0)	OFF (0)	4	1234560
ON (1)	OFF (0)	ON (1)	5	12345600
ON (1)	ON (1)	OFF (0)	6	123456000
ON (1)	ON (1)	ON (1)	3 (AUTO**)	123456

The decimal point value is automatically set according to the weighing value input

8. Confirmation

Supply power to the AD-8552EIP to start communication. It is possible to confirm that the wiring of each cable is connected by the LEDs of the AD-8552EIP

POWER	00	ERR
MC	$\cap \cap$	NC

Name	Condition
POWER	Lights up when power is supplied (Green)
ERR	Lights up when the unit is not operating normally (Red)
MS	Lights / blinks depending on the status of the unit (Green / Red)
NG	Lights / blinks depending on the EtherNet / IP
NO	communication status (Green / Red)

9. Communication protocol

Please check the A&D website for details on the communication protocol.

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