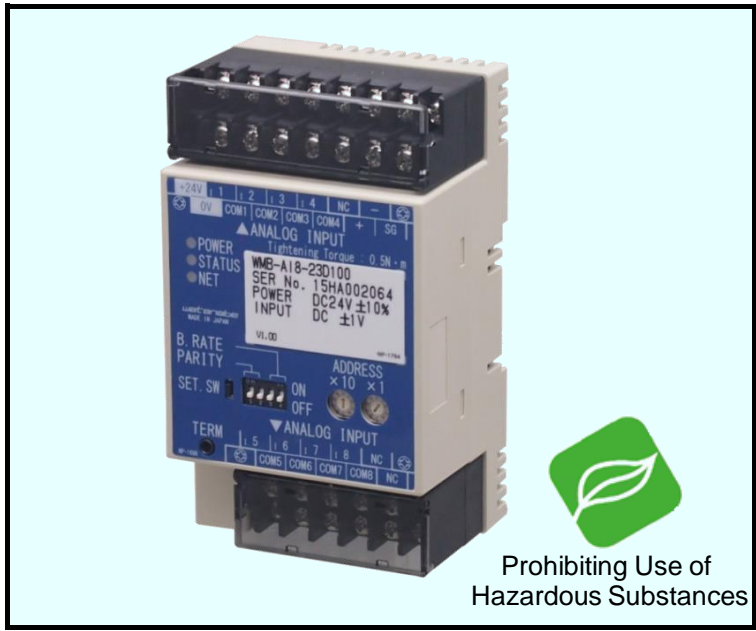


Analog Output Modbus Input Module

WMB-AO4



This is module which Outputs 4ch of DC signal.
It is compatible with Modbus (RTU) of general purpose protocol.

Features

- ★ 4ch output of DC voltage / current
- ★ RS-485 Modbus (RTU) compatible
- ★ Zero span adjustment and low cut setting by RS-485
- ★ Baud rate and Node address setting by front switch
- ★ Easy maintenance by removable terminal block from body

Ordering code

WMB - AO4 - D 00

Series	Type	Output	Power supply	Test report	Suffix	Description
WMB						Series
	AO4					Type
		A				Output
		H				
		N				
		L				
		P				
		R				
			D			Power supply
				0		Test report
				1		Test report
					00	Suffix

Specifications

Output Specifications

Output signal	DC voltage / current
Number of inputs	4
D/A resolution	16bit (In case $\pm 10V$ output)
Response time	20ms/1ch
Tolerance	$\pm 0.1\%$ Full scale
Influence of ambient temperature	$\pm 0.01\%$ Full scale per $^{\circ}C$
Output common	1 common for each output
Setting	Span/zero adjustment, Simulated output

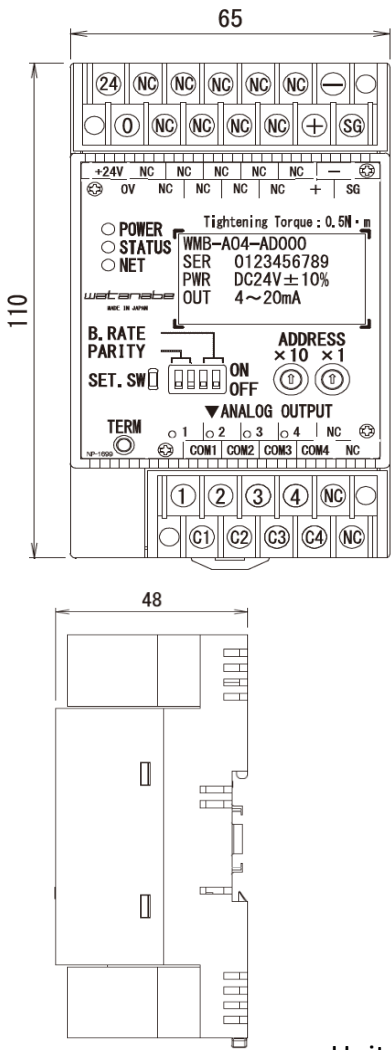
Standard Specifications

Power supply	24VDC $\pm 10\%$
Power consumption	Less than 130mA max.
Operating temperature/humidity	-5 to 55 $^{\circ}C$, 90% (non-condensing)
Storage temperature/humidity	-20 to 60 $^{\circ}C$, 90% (non-condensing)
Warm-up time	30 min
Dielectric strength	1500VAC per 1 min. : Between Power
Insulation resistance	500Vdc, 100M Ω or more
Dimensions	65(W) x 110(H) x 48mm(D) DIN size
Weight	Approx. 220g
Connection	M3 screw terminal block (removable), 14P, 10P (Tightening torque 0.5N·m)
Mounting	DIN rail or wall surface

RS-485 Specifications

Standard	Conform to RS-485
Baud rate	4800 / 9600 / 19200 / 38400 bps (Selectable by DIP switch)
Terminal resistance	Approx. 120 Ω (Standard accessory)
Max. No. of connection	31
Node address	1 to 99 (Setting by Rotary switch)
Transmission distance	Approx. 500m or less (Depends on connection device and)
Communication form	1:N communication
Protocol	Modbus (RTU) protocol

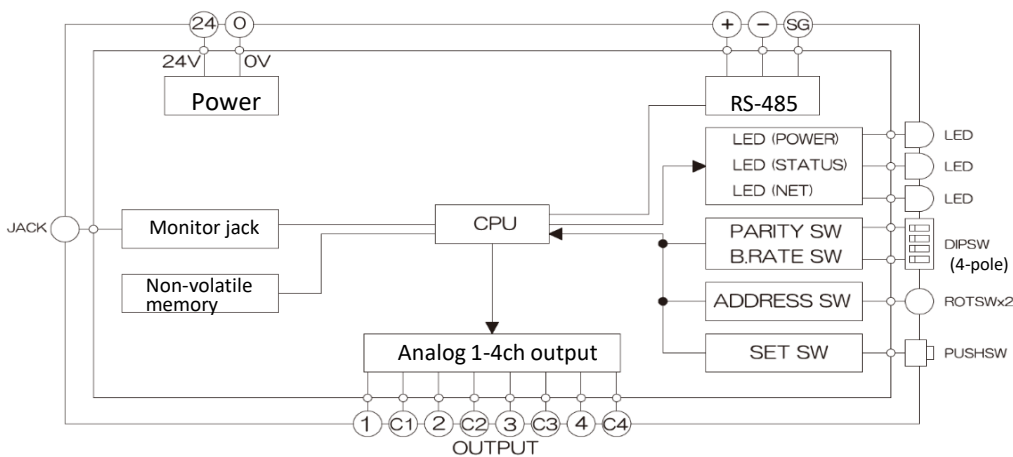
Demensions



Unit : mm

No	Symbol	Description
24	Power supply	+24V
0		0V
	NC	No connection
	NC	
	NC	
	NC	
	NC	
	NC	
	NC	
	NC	
+	RS485	+
-		-
SG		SG
1	Analog output	O1
C1		COM1
2		O2
C2		COM2
3		O3
C3		COM3
4		O4
C4		COM4
	NC	No connection
	NC	No connection

Block Diagram



* Specification is subject to change without notice