

W-M2B101

2 Channels 4-in-1 Analog Input Module



Features

- 2-Ch Analog Input
- 4-in-1 Analog Input Module (voltage /current / thermocouple /RTD)
- Channel Independent Configuration



Introduction

The W-M2B101 is a 2 Channels 4-in-1 Analog Input Module (Voltage / Current / Thermocouple / RTD) which provides industries who might only need less channel for data acquisition.

Analog Input

Channels	2 Channels
High Voltage Input	$\pm 5V$, $\pm 10V$, 0 ~ 5V, 0 ~ 10V
Low Voltage Input	$\pm 100mV$, $\pm 500mV$, $\pm 1V$, 0~100mV, 0~500mV, 0 ~ 1V
Current Input	$\pm 20mA$, 4~20mA, 0~20mA
TC Sensor Input	J, K, T, E, R, S, B, N
Disconnection Detection	4 ~ 20 mA & all T/C, all RTD
RTD Sensor Types	Platinum 100 $\alpha = 0.00385$ (IEC) -200 ~ 600°C Platinum 100 $\alpha = 0.00392$ (JIS) -200 ~ 600°C Platinum 1000 $\alpha = 0.00385$ (IEC) -200 ~ 600°C
Sampling Rates	2 samples / second
Resolution	16-bit
Accuracy	$\pm 0.1\%$ FSR
Input Impedance	Voltage: 100 K Ω Current: 120 Ω
Span Drift	$\pm 25 ppm/^\circ C$
Zero Drift	$\pm 6 \mu V/^\circ C$
Input Voltage Protection	$\pm 36V$ for Input Terminal: U+ $\pm 12V$ for Input Terminal: M+, M-, S-
Input Current Protection	50 mA for Input Terminal: I+
Channel Independent Configuration	Yes

General

Interface	RS-485
Power Consumption	1.2 W @ 24V
Power Requirement	10 ~ 36 VDC
Watchdog Timer	Yes

Connector

Plug-In Terminal Block (#16~30 AWG)

Isolation Protection

2500 VDC

Communication

Modbus RTU

Speed

Serial: From 2.4 to 115.2 kbps

Distance

Serial: 1.2 km at 9.6 kbps

Environmental

Operating Temp. -25 ~ 70°C (-13 ~ 158°F)

Storage Temp. -30 ~ 75°C (-22 ~ 167°F)

Operating Humidity 5% to 95% (non-condensing)

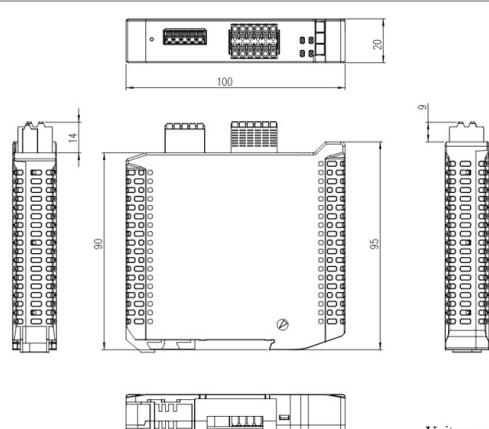
Dimension

Dimension 20 x 100 x 95mm

Ordering Information

W-M2B101 Plastic Housing

W-M2B101-M Aluminum Housing



Unit: mm