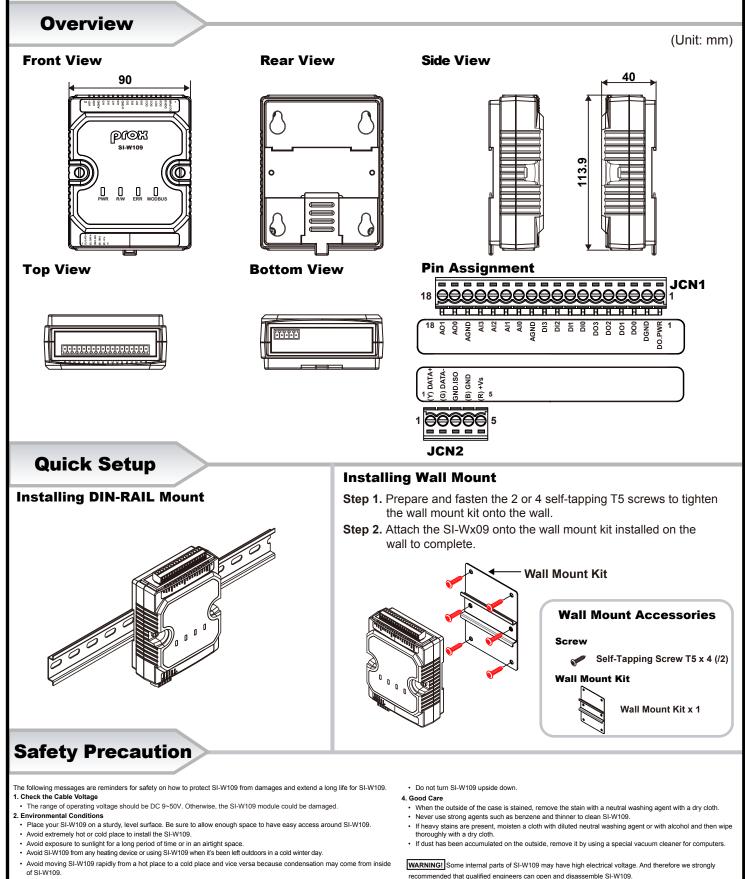
ROTECH Group	SI-W109 System Communication Interface RS-485 Baud Rate 9,600 bps ~ 115,200 bps (Max.) Communication Protocol Modbus / RTU Intra-module Isolation 3000V Installation DIN-Rail, Wall Mount LED Indicator Power LED, Green / RW LED, Orange / Error LED, Red / Modbus LED, Green I/C Interface Temperature/ Humidity Sensor Module Power Supply 9 ~ 50V DC In from terminal block System Weight and Dimensions Certificate 220g / 113.9 x 90 x 40mm (WxHxD) FCC/CE 4-Channel I/O Analog Input Type 0V ~ +5V, 0V ~ +10V, ±10V ±20 mA, 0~20 mA, 4~20 mA (jumper selectable)
	Sample Rate Normal Mode: 10Hz / Fast Mode: 200Hz Accuracy Normal Mode: ±0.1 % / Fast Mode: ±0.5 % Overvoltage Protection 120V DC 2-Channel I/O Analog Output Type Type 0V ~ +5V, 0V ~ +10V, ±10V Resolution 12-bit Accuracy ±0.1% Voltage Output Capability 10V @ 20mA
Guide	Voitage Current Load Resistance 500Ω 4-Channel Digital Input / Counter Type Dry Contact, Source On Voltage Level Dry Contact, Close to GND Off Voltage Level Dry Contact, Open Counters Channels: 4/Max. Count: 32-bits (0~4,294,967,28 Max.Input Frequency: 50Hz/Min. Pulse Width: 10 for the count of the
Ver	4-Channel Digital Output Type Source Max. Load Current 650 mA/ channel Load Voltage 11V ~ 40V DC Overvoltage Protection 47V DC Overload Protection Yes Short-circuit Protection Yes Power-on Value Yes, Programmable
All Rights Reserved. Copyright	Environment Operating Temp. (with airflow) -25°C ~ 75°C (-13°F ~ 167°F) Storage Temp. -40°C ~ 85°C (-40°F ~ 185°F) Humidity 20% ~ 90%

			SI-W109	
Pin Assignment			Jumper Settings	
JCN1		Analog Input Jumper Settings		
	/O Channel Connector JCN1)	Analog Input Al0(JP8), Al1(JP7), Al2(JP5), Al3(JP6)		
	Pin No. Signal	Voltage	Current	
	1 DO.PWR			
	2 DGND		1 2	
	3 DO0			
	4 DO1		5006	
	5 DO2			
	6 DO3			
	7 DI0	Analog Output Jumper Settings		
	8 DI1			
	9 DI2	Analog Output		
	10 DI3	AO0(JP3	8), AO1(JP4)	
	11 AGND	Voltage	Current	
RS-485 and Power	12 Al0			
JCN2 Connector(JCN2)	13 Al1	1		
Pin No. Signal	14 AI2			
1 (Y)DATA+	15 AI3			
2 (G)DATA-	16 AGND	3	3	
3 GND.ISO 4 (B)GND	17 AO0			
5 (R)+Vs	18 AO1			

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SI-W109 Multi-Functional I/O Module



Don't place SI-W109 close to any radio-active device in case of signal interference.

- 3. Handling
- · Avoid putting heavy objects on top of SI-W109