PROTECH Group	Specification System Communication Interface Baud Rate Communication Protocol Intra-module Isolation Installation LED Indicator	SI-W309 ONS RS-485 9,600 bps ~ 115,200 bps (Max.) Modbus / RTU 3000V DIN-Rail, Wall Mount Power LED, Green / R/W LED, Orange / Error LED, Green / Modbus LED, Green
SI-W309	I2C Interface Power Supply System Weight Dimensions (WxHxD) Certificate	Temperature/ Humidity Sensor Module 9 ~ 50V DC In from terminal block 220g 113.9 x 90 x 40mm FCC/CE
Quick Reference	8-Channel Digital Input Type On Voltage Level Off Voltage Level Input Impedance 8-Channel Counter	: / Counter Wet Contact, Source Wet Contact, +3.5 ~ +50 V DC Wet Contact, +1V DC Max. 10K Ω , 0.5W Max. Count: 32-bits (0 ~ 4, 294, 967, 285) Max. Input Frequency: 50 Hz Min. Pulse Width: 10 ms
Guide	Overvoltage Protection 8-Channel Digital Outp Type Max. Load Current Load Voltage Overvoltage Protection	70V DC ut Sink 700 mA/ channel 3.5V ~ 50V DC 60V DC
Ver. 02	Overload Protection Short-Circuit Protection Power-on Value Environment Operating Temp.(with airflow Storage Temp. Humidity	Yes Yes, Programmable) -25°C ~ 75°C (-13°F ~ 167°F) -40°C ~ 85°C (-40°F ~ 185°F) 20% ~ 90%
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SI-W309

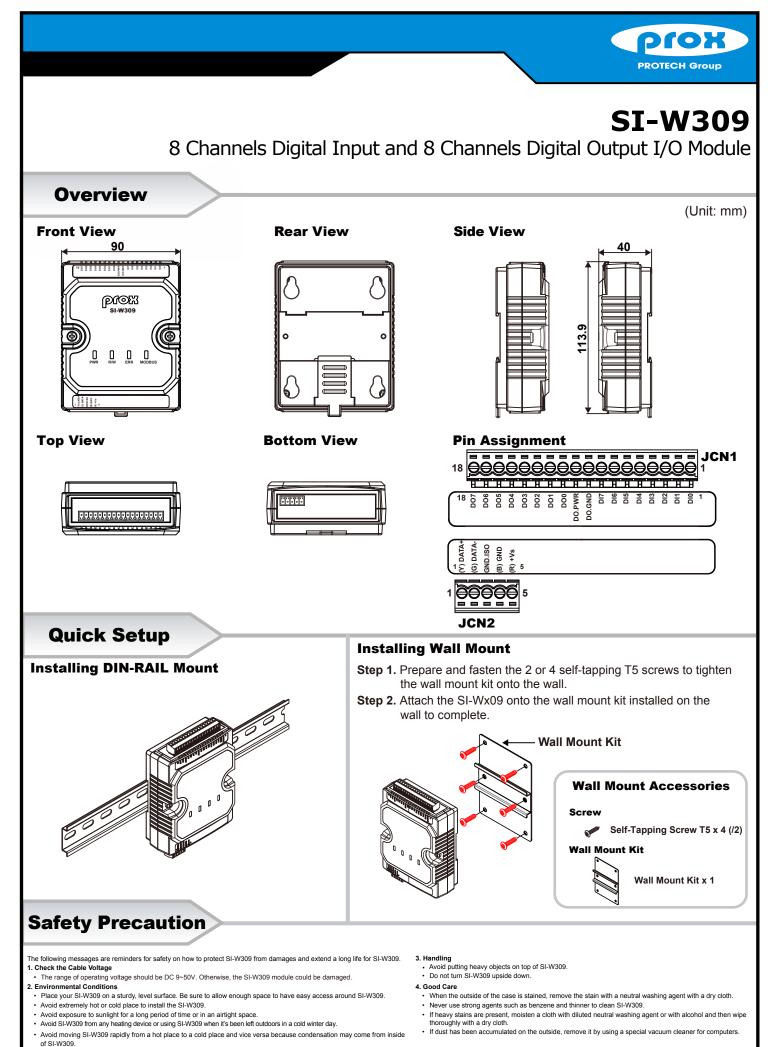
Pin Assignment н^ан н н н н н н KOIG SI-W309 (\mathbb{O}) [] R/W | PWR (G) DATA-GND.ISO (B) GND (R) +Vs DATA 00000 ■■■■ JCN2 1

I/O Channel Connector (JCN1)

Pin No.	Signal	
1	DI0	
2	DI1	
3	DI2	
4	DI3	
5	DI4	
6	DI5	
7	DI6	
8	DI7	
9	DIO.GND	
10	DIO.PWR	
11	DO0	
12	DO1	
13	DO2	
14	DO3	
15	DO4	
16	DO5	
17	DO6	
18	DO7	

RS-485 and Power Connector(JCN2)

Pin No.	Signal	
1	(Y)DATA+	
2	(G)DATA-	
3	GND.ISO	
4	(B)GND	
5	(R)+Vs	



Don't place SI-W309 close to any radio-active device in case of signal interference.

WARNINGI Some internal parts of SI-W309 may have high electrical voltage. And therefore we strongly recommended that qualified engineers can open and disassemble SI-W309.