Haiwell

User's Manual of S01GL isolation module
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1.Product Model List

Model	Power Consumption (24VDC)	Dimension
S01GL	0.48VA	30*95*82mm

2. Indicator Description
①POW: Power indicator, green. ON - Power good; OFF - Power error.
②LINK: Communication indicator, green. Flashing - When the device is transmitting data.

3. Power Supply Specification

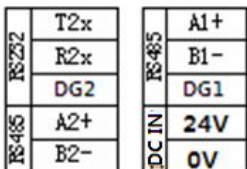| Item	DC Power Supply
Power Supply Voltage	DC24V -15%~+20%
Power Supply Frequency	——
Instantaneous Surge	MAX 20A 1.5ms @24VDC
Power Loss Time	10ms or less
Fuse	0.3A，250VAC
24V Output Voltage (for output and extension)	None
Insulation Type	Transformer isolation
Power Protection	DC input reverse protection and overvoltage protection

4. Environmental specifications for Product

Item	Environment Specification
Temperature/Humidity	Operating temperature:0~+55℃ Storage temperature:-25~+70℃ Humidity: 5~95%RH, No condensation
Vibration Resistance	10~57 HZ, amplitude=0.075mm, 57HZ~150HZ acceleration=1G, 10 times each for X-axis, Y-axis and Z-axis
Impact Resistance	15G, duration=11ms, 6 times each for X-axis, Y-axis and Z-axis
Interference Immunity	DC EFT:±2500V
Over Voltage Resistance	500VAC/1min between DC terminal and PE terminal
Insulation Impedance	≧5MΩbetween DC terminal and all input/output points to PE terminal @500VDC
Operating environment	Avoid dust, moisture, corrosion, electric shock and external shocks

5. Module function specification
The S01GL module is a solution for serial communications isolation. It can convert the communication interface from RS485 into RS232 or RS485 in an isolated manner. Specific choice of what kind of interface mode depends on the user himself and need not to set the parameters, just to wire as the following wiring diagram. It supports the Modbus RTU/ASCII protocol, Freeport communication protocol and Haiwellbus high-speed communication protocol, with baud rate from 1200 to 115200 bps.
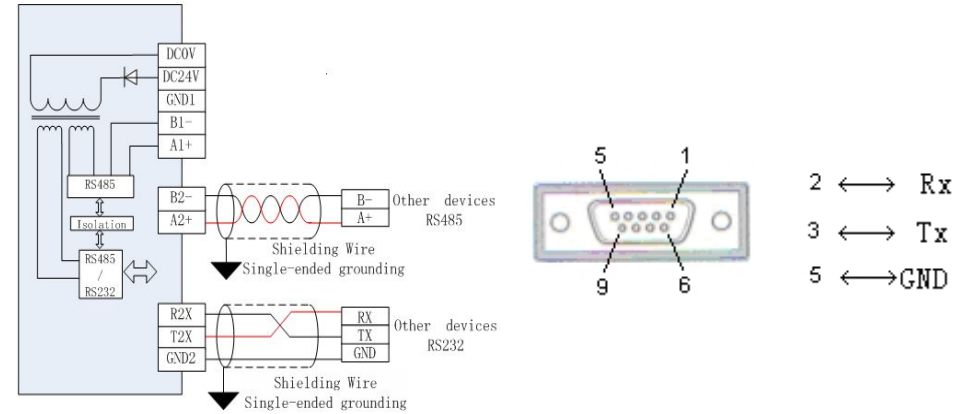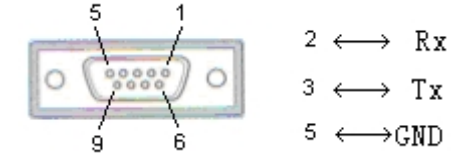
6. Terminal Wiring Diagram

S01GL wiring diagram

1、Wiring principle：

Isolation mode	Terminal	
	Input	Output
RS485/RS485	A1+、B1-	A2+、B2-
RS485/RS232	A1+、B1-	T2x、R2x、DG2

7. Wiring diagram

S01GL wiring diagram   The computer side DB9 female head (RS-232)

8.Mounting and installation
Rail Mounting: Use standard 35 mm rail.
Screw Mounting: Each communication isolation module has two positioning screw holes, the diameter of the hole is 4.5mm. Please refer to the dimension figure for the location of the positioning holes and their spacing.

Thanks for choosing Haiwell PLC, If you have any questions about our products or services, please let us know!
Haiwell website: http://www.haiwell.com   http://www.haiwell.cn