

Features

- ✧ Photoelectric isolation RS232, RS485 and RS422 interfaces.
- ✧ Supporting for MODBUS RTU communication protocol.

Description

- ✧ P-9956-Modbus is an optional card for GST-IFP4M control panel, providing photoelectric isolation interfaces of RS232, RS485 and RS422.
- ✧ This card shouldn't be inserted and removed when it is energized.
- ✧ Refer to the control panel manual for following settings.
 - 1) Define the quantity of Modbus cards.
 - 2) The panel address is set to slave rather than main address.
- ✧ LEDs
 - 1) P-9956-Modbus has RS485, RS422 and RS232 ports. Illuminating HL1 and HL2 mean that a port is fault.
 - 2) Flashing HL1 and HL2 mean that P-9956-Modbus Card works normally.
- ✧ P-9956-Modbus can be used any port of RS485, RS422 or RS232 through a jumper. The loop shouldn't exceed 1200m when RS485 or RS422 is used. The loop shouldn't exceed 15m when RS232 is used.
- ✧ A P-9956-Modbus can connect with third party devices through RS485, RS422 or RS232. A panel connects up to two P-9956-Modbus cards. Refer to Fig. 2 for installation position.



Connection & Wiring

Its connection is shown in Fig. 1 as P-9956-Modbus is inserted in S2 slot.

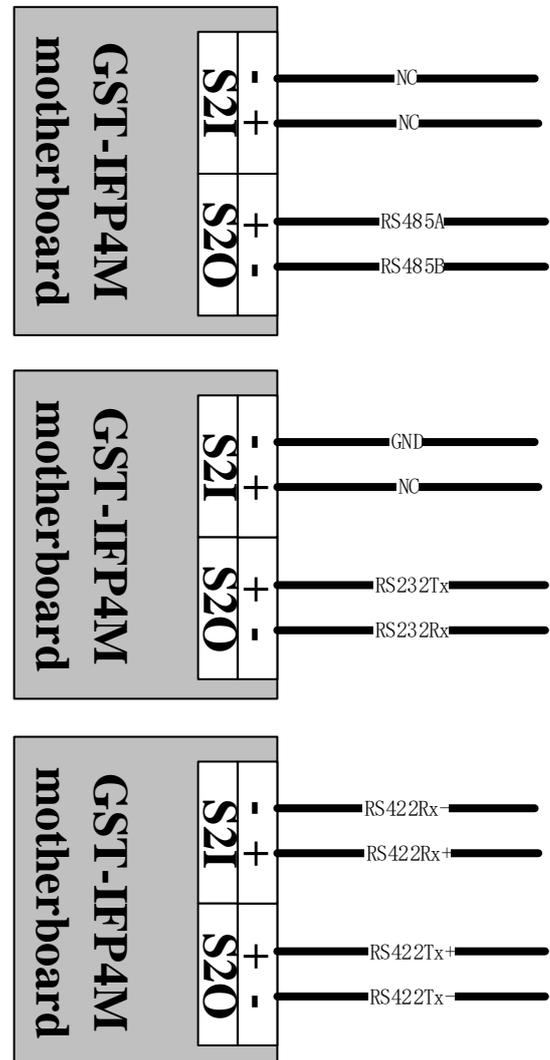


Fig. 1

Note: Slot S1 is for S1I and S1O, and slot S2 is for S2I and S2O.

Installation

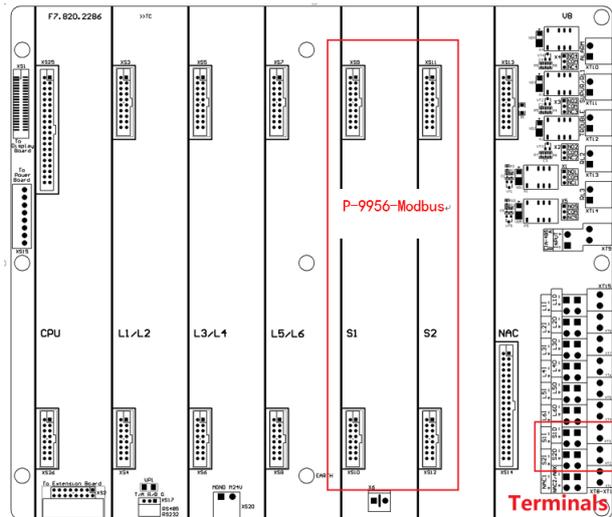


Fig. 2

Application

P-9956-Modbus is inserted into mother board slots of the control panel as shown in Fig. 2. Connection with the third party devices is shown in Fig. 1.

Specification

Comm. Interface	RS232 RS485 RS422
Comm. Distance	It is less than 15m by using RS232 and less than 1200m by using RS485 or RS422.
Transmission Medium	1.0 mm ² or above twisted pair is recommended.
Baud Rate	4800bps
Ambient Temperature	0-49°C/32-120° F
Relative Humidity	≤93%, non-condensing

Trouble shooting

Problems	Solutions
Messages cannot be transmitted.	<ol style="list-style-type: none"> 1. Check if the communication is normal according to status of LED HL1 and HL2. 2. Check if the connection is correct according to Fig. 1. 3. Check addresses of control panels in turn.

Limited Warranty

GST warrants that the product will be free from defects in design, materials and workmanship during the warranty period. This warranty shall not apply to any product that is found to have been improperly installed or used in any way not in accordance with the instructions supplied with the product. Anybody, including the agents, distributors or employees, is not in the position to amend the contents of this warranty. Please contact your local distributor for products not covered by this warranty.

This Data Sheet is subject to change without notice. Please contact GST for more information or questions.

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