

Features

- ✧ Photoelectric isolation RS485 interfaces.
- ✧ Be used to connect with repeater panels.

Description

- ✧ Refer to GST-IFP2E Fire Alarm Control Panel Installation Manual.
- ✧ P-9957E-RP Repeater card is optional for GST-IFP2E control panel, providing photoelectric isolation interfaces of RS485.
- ✧ This card is NOT hot-swappable.
- ✧ Refer to the control panel manual for following settings.
 - 1) Set the default NONE to 485Repeater on the corresponding slot, keep the slot address consistent with the card address configured with pins XT1 and XT2.
 - 2) Set addresses quantity of the control panels in the system.
- ✧ LEDs
 - 1) P-9957E-RP Repeater card has internal and external RS485 port. If HL4 LED state remains unchanged, it indicates the port is faulty.
 - 2) Flashing HL4 and HL5 mean that P-9957E-RP Repeater card works normally.
- ✧ The distance shouldn't exceed 1200m when RS485 is used.
- ✧ One GST-IFP2E control panel can connect only one P-9957E-RP Repeater card .

Connection & Wiring

Fig 1 shows the connection with repeater panels.

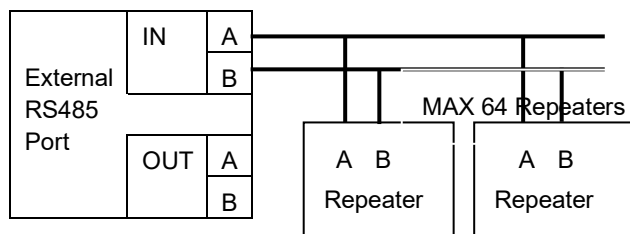


Fig. 1 The P-9957E-RP wiring diagram

Each network card has internally shorted terminals XS1 and XS2, all network cards shall be daisy-chained together using the supplied 4-pin cable via these terminals. At least one terminal from one of network cards must be wired to the 5V terminal(XT9) of the Power

Interface Board for power supply and communication as shown in fig. 2.

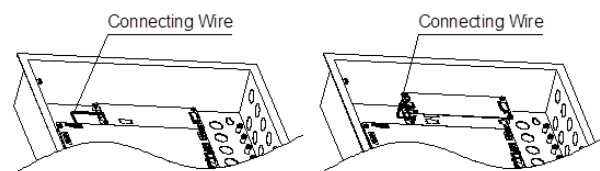


Fig. 2

Installation

Maximum 2 Network cards including P-9967EA CAN Card, P-9957E Modbus Card, P-9957E-RP Repeater card and P-9984EA Fiber Network Card may be used in the panel.

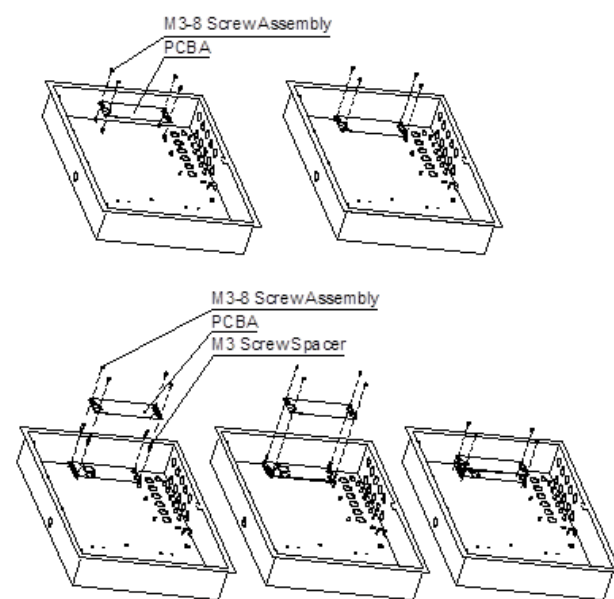


Fig. 3

Application

P-9957E-RP Repeater card is connected to Power Interface Board of the control panel either directly or via another network card, and as shown in Fig.2.

Connection with the repeater panels is shown in Fig. 1.

Specification

Comm. Interface	RS485 interfaces
Comm. Distance	It is less than 1200m by using RS485.
Transmission Medium	1.0 mm ² or above twisted pair is recommended.
Baud Rate	4800bps
Electrical Rating	5VDC, 200mA
Ambient Temperature	-5-50°C/23-122° F
Relative Humidity	95% RH (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 HL4 and HL5.2. Check if the connection is correct according to Fig. 1.3. Check addresses of control panels in turn.

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Gulf Security Technology Co., Ltd.

No. 80, Changjiang East Road, ETDZ, Qinhuangdao, Hebei, P. R. China 066004

Tel: +86 (0) 335 8502434

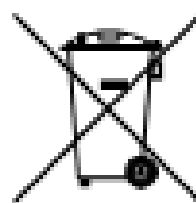
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