

Features

- ✧ Two SC single-mode single-core optical Fiber interfaces.
- ✧ Suitable for ring network.

Description

- ✧ Refer to GST-IFP4E Fire Alarm Control Panel Installation Manual.
- ✧ P-9983EA card is optional for GST-IFP4E control panel, providing two SC single-mode single-core optical Fiber interfaces.
- ✧ This card is NOT hot-swappable.
- ✧ Refer to the control panel manual for following settings.
 - 1) Define the quantity of network cards connecting to the control panel.
 - 2) Set addresses quantity of the control panels in the system.
- ✧ LEDs
 - 1) P-9983EA card has internal RS485, FIBER1 (IN) and FIBER2 (OUT) ports. Illuminating HL2 and HL3 mean that a port is fault.
 - 2) Flashing HL2 and HL3 mean that P-9983EA works normally.
- ✧ In Fiber-optical network made of those cards, FIBER1 connects with the FIBER2 of the neighbor control panel. Maximum distance between two networked panels shall be within 20 km.
- ✧ One GST-IFP4E control panel can connect max three P-9983EA cards, refer to Fig. 2.

Connection & Wiring

The position for the fiber interface is on the fiber network card. Fig 1 shows the connection between the P-9983EA Fiber-Optical Network Card.

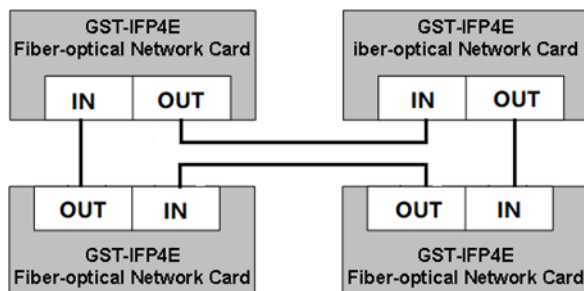


Fig. 1 Fiber Ring Network



Installation

The position of P-9983EA card is shown in Fig. 2. P-9983EA Fibre-optical Network Card can be plugged into L5/L6, S1 or S2 slot of MB-400E Mother Board. Maximum three Network cards, including P-9966EA P-9983EA, or P-9956E-Modbus may be used in the panel.

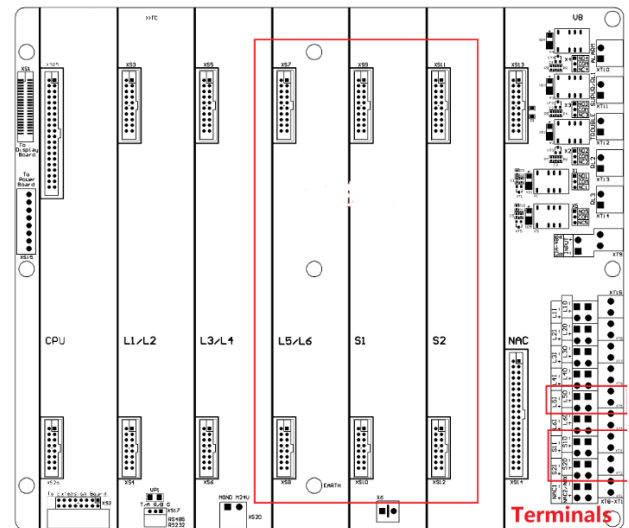


Fig. 2

Application

P-9983EA Fibre-optical Network Card is inserted into mother board slots of the control panel as shown in Fig.2. Ring network is formed though twisted pair as shown in Fig. 1.

Specification

Comm. Interface	single-mode optical Fiber interface
Comm. Distance	The distance between two neighbor nodes is less than 20Km
Network Capacity	Maximum 250 GST series control panels for networking.
Transmission Medium	Fibre-optical
Baud Rate	100Mbps
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 HL2 and HL3. 2. Check if the connection is correct according to Fig. 1. 3. Check addresses of control panels in turn.

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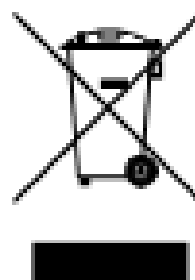
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