P-9966A CAN Class A Network Card

Features

✧ Two photoelectric isolation CAN interfaces.
✧ Suitable for ring network.

Description

✧ Refer to GST-IFP4M Fire Alarm Control Panel Installation (Document # 30310301) and Operation Manual (Document # 30310331).

✧ P-9966A card is optional for GST-IFP4M control panel, providing two photoelectric isolation CAN 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-9966A card has internal RS485, CAN1 and CAN2 ports. Illuminating HL1 and HL2 mean that a port is fault.

   2) Flashing HL1 and HL2 mean that P-9966A works normally.

✧ In CAN network made of those cards, CAN1 connects with the CAN2 of the neighbor control panel. Maximum distance between two networked panels shall be within 3000 m.

✧ One GST-IFP4M control panel can connect max three P-9966A cards, refer to Fig. 2.

Connection & Wiring

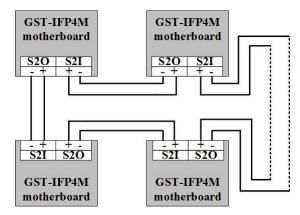Fig 1 shows the connection when P-9966A is plugged into S2 slot.

Fig. 1 CAN Ring Network

Installation

The position of P-9966A card is shown in Fig. 2.P-9966A CAN Network Card can be plugged into L5/L6, S1 or S2 slot of MB-400 Mother Board. Maximum three Network cards, including P-9966A or P-9983 may be used in the panel. When plugged on slot L5/L6, connect external network wires on terminals L5I and L5O.When plugged on slot S1, connect external network wires on terminals S1I and S1O. When plugged on slot S2, terminals S2I and S2O are to be used.
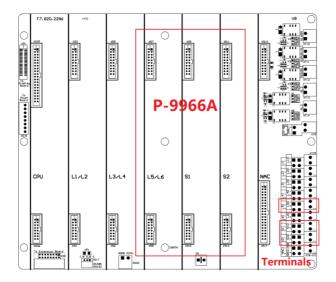

Fig. 2

Application

P-9966A CAN ClassA 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	Two CAN interfaces
Comm. Distance	The distance between two neighbor nodes is less than 3000m
Network Capacity	Maximum 250 GST series control panels for networking.
Transmission Medium	1.0 mm^2 or above twisted pair, shielded twisted pair is recommended.
Baud Rate	10Kbps

Electrical Rating	5VDC, 200mA
Ambient Temperature	0-49°C/32-120° F
Relative Humidity	93% RH (non-condensing)

Trouble shooting

Problems	Solutions
Messages cannot be transmitted.	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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