Features

✧ Two photoelectric isolation RS485 interfaces.

✧ Suitable for ring network.

Description

✧ P-9945A is an optional card for GST-IFP8 control panel, providing two photoelectric isolation RS485 interfaces for ring network.

✧ This card shouldn't be inserted and removed when it is energized.

✧ "Network OK" is displayed when the panel is switched on. That means successful registration.

✧ LEDs:

Master Interface（A1B1）com HL1 LED: Green. It illuminates steadily or flashes when RS485 master interface is in normal communication.

Slave Interface（A2B2）com HL2 LED: Red. It illuminates steadily when RS485 slave interface is in normal communication.

✧ In the network made of those cards, each of RS485 loop shouldn't exceed 1200m in all, supporting the network of maximum 32 GST series control panels.

Connection & Wiring

P-9945A can be inserted into LOOP Board of GST-IFP8. Inserted into the fist slot of mother board from the bottom, DIP switch should be set to 1. The connection is shown in Fig. 1.


Fig. 1
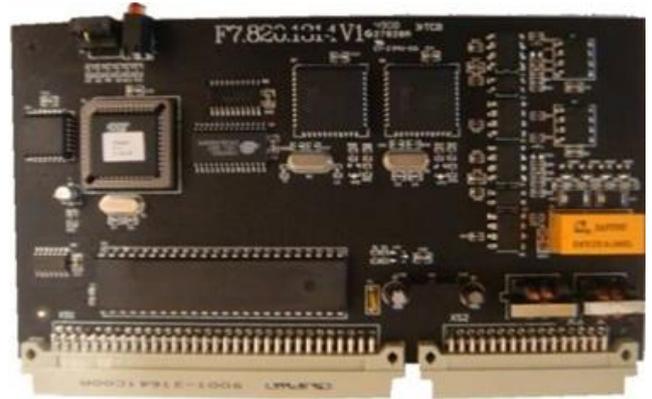
Note: for those slots (from down to up), the first slot is corresponded to LOOP2, the second slot is corresponded to LOOP4, the third to LOOP 6, the fourth to LOOP8 and the fifth to LOOP10. Terminals are connected according to the orders below: O- is connected to I-; O+ is connected to I+; I+ is connected to O+; and I- is connected to O-.

## Installation

Mounting of the cards are shown in Fig. 2.
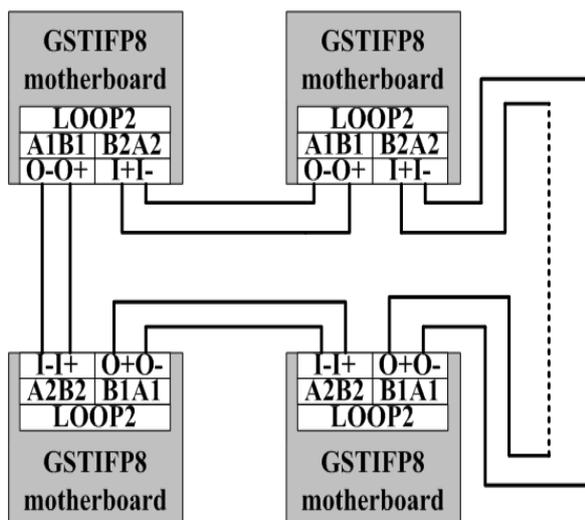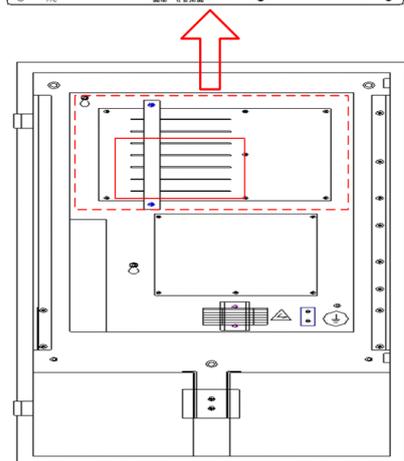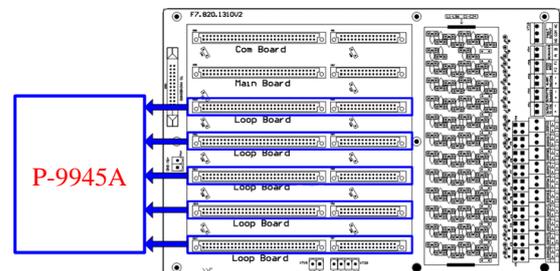
Fig. 2

Application

P-9945A Loop Network Card should be fixed in the slot of Loop Board on the motherboard. These cards form ring network through twisted pair. The system connection is shown in Fig. 3.

Specification

Com. Interface	Two RS485 interfaces
Com. Distance	The distance between two neighbor nodes is less than 1200m
Network Capacity	Maximum 32 GST series control panels for networking.
Transmission Medium	1.0 mm^2 or above twisted pair, shielded twisted pair is recommended.
Baud Rate	4800bps
Ambient Temperature	0℃～+40℃
Relative Humidity	≤95%，non condensing

WEEE Information

2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points.

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.