



General-Purpose Interface Board GPIB

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ISO 9001: 2000

International Standards
Certifications
QAC/R61/0051

Product Overview:

Pertronic Industries **General-Purpose Interface Board (GPIB)** provides an interface to allow the status of an Analogue Addressable Panel (**F100A** or **F120A**) to be monitored or transmitted to a variety of devices provided by independent suppliers.

F100A and **F120A** firmware is available for the following devices:

- GPIB-M: MODBUS interface - supports ASCII or RTU (binary) format via RS232 or RS485 ports
- GPIB-N: Pager / Nurse-Call Interface - generic Pager interface.
 - Austco Pager: uses Austco proprietary protocol (Mk I) to interface directly to Austco Pager interface unit.
 - Austco: emulates Austco Call-Point module using proprietary protocol (Mk II).
- GPIB-P: Printer interface - output can be any combination of Parallel, RS232 or RS485.

Operation:

The GPIB monitors the Analogue Addressable panel events by decoding the current event data transmitted on the RS485 bus. This data is a copy of the current event queues as displayed on the panel's LCD display. There are multiple queues containing (ordered by priority) Fires, Isolates, Loop Defects, System Defects and Information.

For each event, the GPIB generates a message that is placed in a transmission queue to be sent to the external device. The precise format of the message and transmission is determined by the protocol requirements of the external device and is configured within the GPIB software.

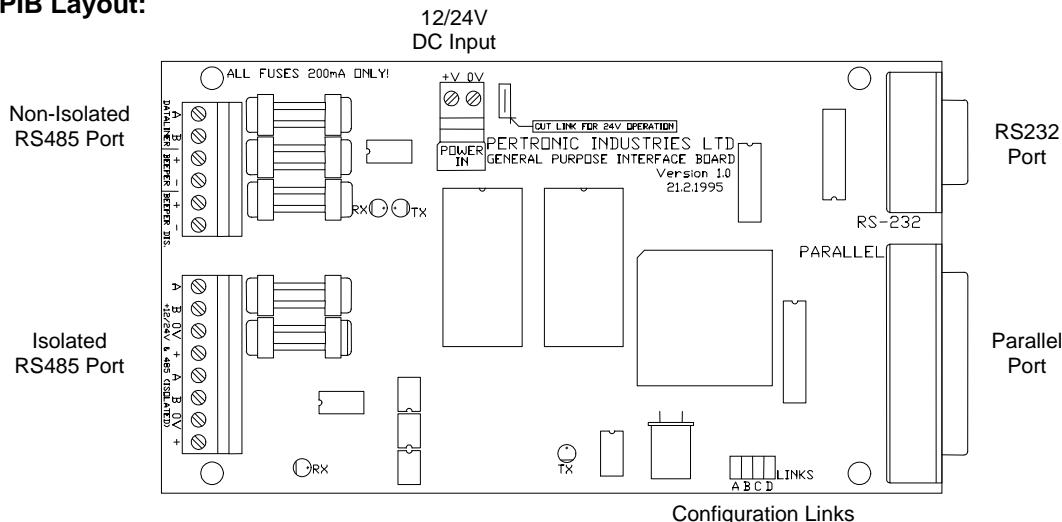
Specifications:

- Dimensions: 182 x 97 x 20 L x H x D mm
- Power Supply: RS485 5mA
- Isolated Power Supply 30mA
- the GPIB requires an isolated power supply – this may be either a Mains Plug Pack or a DC:DC Converter powered from the panel

Interface Connections:

- Optically-Isolated RS485 Serial Interface
- Non-Isolated RS485 Serial Interface
- RS232 Serial Interface
- Parallel Printer Interface
- Buzzer drive with Acknowledgement facility

GPIB Layout:



Product Codes:

Description	F100 Product Code	F120 Product Code
GPIB for Modbus/Honeywell	GPIB-M-F100	GPIB-M-F120
GPIB with Pager (Nurse Call) Software	GPIB-N-F100	GPIB-N-F120
GPIB with Printer Software	GPIB-P-F100	GPIB-P-F120
Case & Connectors for GPIB board	GPIBC	
DC to DC converter, 19-32Vin to 24V, 15W	PB12H-2424F	
Mains to DC Power Pack: 12V/0.3A unregulated	DCPP12V.2A	

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