

## Head Office

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ISO 9001: 2008

International Standards  
Certifications  
QAC/R64/0012

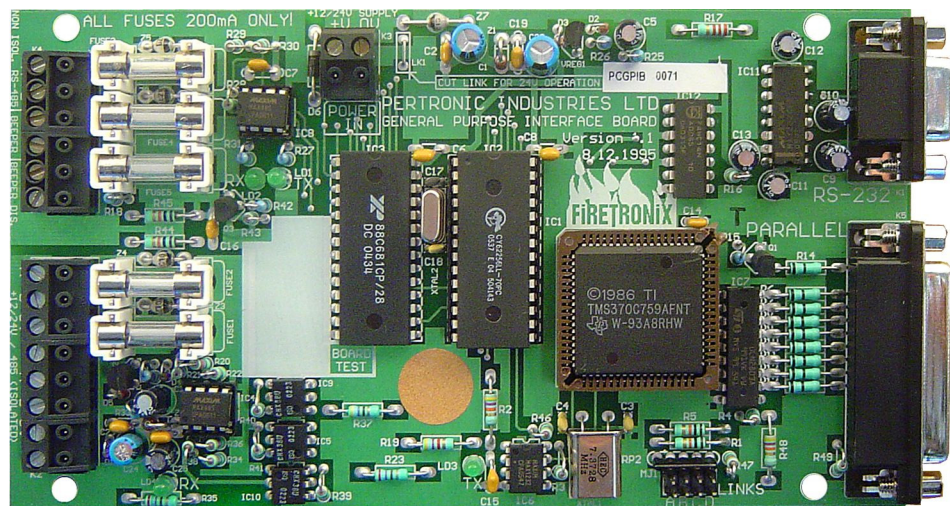
## Product Overview:

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

The GPIB monitors the Fire Alarm Control 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.

The GPIB requires an isolated power supply. This may be either a Mains Plug Pack or a DC:DC Converter powered from the panel.



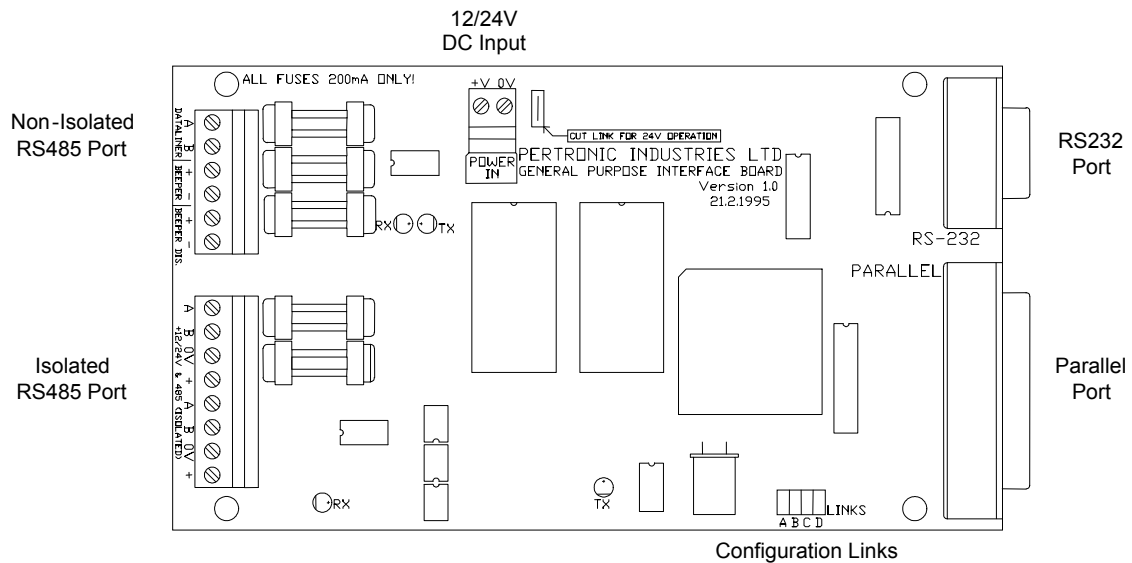
## Features:

- ▶ Robust microprocessor based design
- ▶ Firmware available for Pertronic F100 and F120 Fire Alarm Panels
- ▶ GPIB-M Modbus interface supports ASCII or RTU format over RS232 or RS485
- ▶ GPIB-N Nurse Call Pager interface supports Austco MKII
- ▶ GPIB-P Printer interface supports any combination of Parallel, RS232 or RS485
- ▶ Optically isolated and non-isolated RS485 interfaces
- ▶ RS232 and parallel printer interfaces
- ▶ Local Buzzer drive with Acknowledgement facility
- ▶ Powered with isolated supply (e.g. plug pack or isolated DC/DC converter)

## Specifications:

▶ Dimensions	182 x 97 x 20	L x H x D mm
▶ Wiring/Connection	0.15 to 1.5 mm <sup>2</sup>	plug-in RS485 and Power In
▶ Communications	RS485 Serial Interfaces RS232 Serial Interface Parallel Printer Interface	Isolated and non-isolated
▶ Power Supply	12 Vdc / 24 Vdc RS485 Supply Current	30 mA Isolated 5 mA

## GPIB Layout:



## Product Codes:

Description	F100 Product Code	F120 Product Code
GP I/F Board for Modbus/Honeywell for F100 & F120	GPIB-MF100	GPIB-MF120
GP I/F Board with Nurse Call Pager S/W for F100 & F120	GPIB-NPF100	GPIB-NPF120
GP I/F Board with Nurse Call S/W (Austco MKII) for F100 & F120	GPIB-NAF100	GPIB-NAF120
GP I/F Board with Printer S/W for F100 & F120	GPIB-PF100	GPIB-PF120
Case & Connectors for GPIB Board	GPIBC	
F120 Loop Driver DC-DC Power Supply	F120LPDC-DC	
Mains to DC Power Pack for GPIB, 12V/0.3A unregulated	DCPP12V.2A	

## PERTRONIC INDUSTRIES LTD

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