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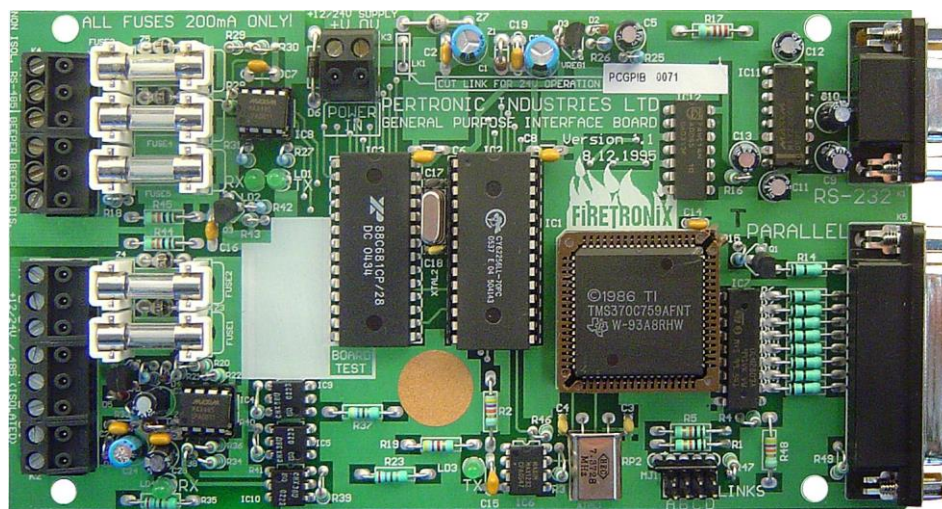
Pertronic Industries **General Purpose Interface Board (GPIB)** provides an interface to allow the status of an Intelligent Fire Alarm Control Panel to be monitored or transmitted to a variety of devices provided by independent suppliers.

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.
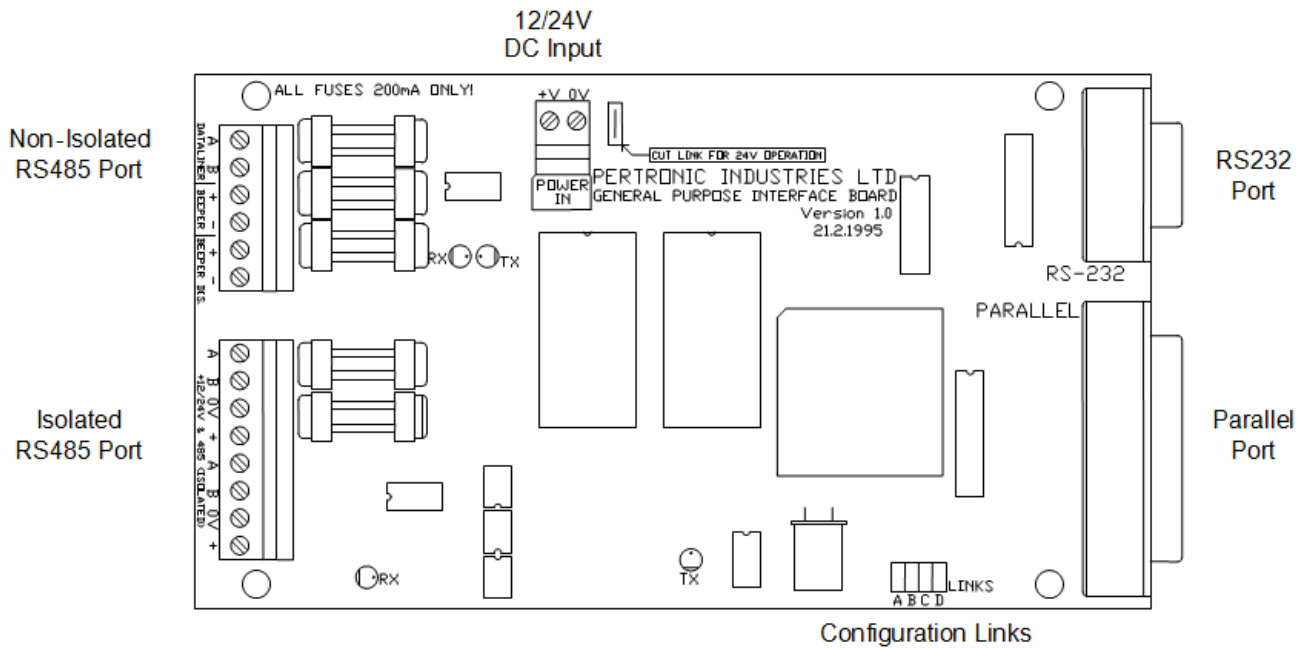

General Purpose Interface Board (GPIB)

Features:

- » Robust microprocessor based design
- » Firmware available for Pertronic F100A and F120A Fire Alarm Panels
- » GPIB-M Modbus interface supports ASCII or RTU format over RS232 or RS485
- » GPIB-N Nurse Call Pager interface supports AUSTCO MKI, Austco MKII or Generic
- » 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 — W x H x D mm
- » Wiring/Connection — 12 to 18 AWG, plug-in RS485 and Power In
- » Communications — RS485 Serial Interfaces — Isolated and Non Isolated
  RS232 Serial Interface
  Parallel Printer Interface
- » Power Supply — 12 Vdc / 24 Vdc — 30 mA — Isolated
  RS485 Supply Current — 5 mA

Connection:

Ordering Information:

Product Code	Description
GPIB-MF100	GP I/F Board for Modbus/Honeywell for F100
GPIB-MF120	GP Interface Board – Modbus for F120A
GPIB-NAF120	GP I/F Board with Nurse Call S/W (Austco MKII) for F120A
GPIB-NPF120	GP Interface Board – Nurse call Pager S/W for F120A
GPIB-NPF100	GP Interface Board – Nurse call Pager S/W for F100A
GPIB-PF100	GP Interface Board – Printer S/W for F100A
GPIB-PF120	GP Interface Board – Printer S/W for F120A
GPIB-C	GP Interface Board Case + Connectors
PB12H-2424F	DC / DC Converter 24 to 24 @ 0.7A