Models:
GENII MPI

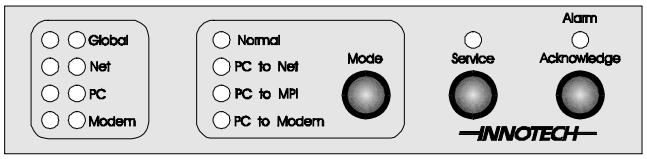
GENII MPI
Modem and Printer Interface

Overview
The Innotech GENII MPI Modem Printer Interface is a Network device that acts as the gateway into a Network of Innotech Devices from a PC on the same LAN or from a remote location via a modem.

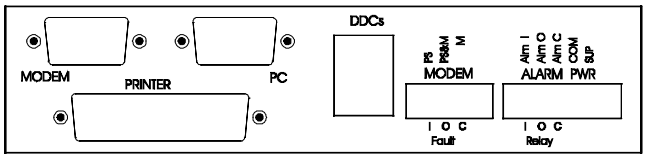
Features
- Programmable via the Gen2Config and MaxCon software packages to meet the varying needs of any installation
- Monitors the “Global Comms” for Alarms, and initiates a dial out via the modem to remote locations designated in the dialing list
- Monitors the “Global Comms” for system values and variables designated for printout to the printer
- Provides control of the modem to allow dial in from a remote location
- Allows Gen2 and Maxim programs to access any Innotech device on the “Net Comms” channel
- Permits direct Alarm reporting to a pager system via modem
- Permits direct Alert reporting to a digital phone with short message service (SMS) facility
- Supports fax out using a Class II modem
- Supports Alert software on local or remote PC for alarm reporting
- LED indication of GENII MPI mode
- LED indication of COMMS activity
- Service Mode to prevent alarm dial outs during system maintenance
- Alarm acknowledge to reset alarm output relay
- Mode selection allows PC to use modem for other functions

Hardware
Supplied
- GENII MPI
- Gen2 DATA cable for connection to PC
- TF60844 240VAC to 16VAC 1.5Amp Plug Pack
- RJ12 COMMS socket and 3 metre lead for connection to “Global” and “Net” COMMS

Supported
- Full “HAYES” compatible modem with minimum 9600 Baud
- Any ASCII compatible printer with a parallel port, and the capability to print line by line without ejecting the paper
- Typically dot matrix and inkjet printers meet this requirement, whereas laser printers do not



FRONT PANEL



BACK PANEL

Applications
- Gateway into a Network from a remote location
- Gateway out from an Innotech Device on the Network to remote service providers for alarm notification
- Local centralised point for alarm notification
- Local centralised point for alarm printout and hard copy recording to its local printer of any data broadcast as a “Global COMMS” by any Innotech Device on the Network

Approvals
The GENII MPI conforms to:
- Electromagnetic emission and immunity requirements according to standards EN55022 (CISPR22) and EN55024 for CE Marking and C-Tick Labelling

Specifications

Power Supply

Voltage: 16VAC ± 10% 4VA 50/60Hz or
24VDC ± 10% 150mA.

The operating voltage must meet the requirements of Safety Extra Low Voltage (SELV) to EN60730. The plug pack used must comply with EN60742, and be designed for 100% duty Australia. (Supplied with Arlec model TF60844: Approval No V/93166/E148-36).

Input/Output

- RS232 Serial link to a Modem via a male DB9 plug
- RS232 Serial link to a PC via a female DB9 plug
- Parallel Printer port via a female DB25 plug
- RS485 “Net COMMS” and “Global COMMS” via RJ12 plug. (RJ12 plug + 3 metre lead supplied)

Relay Outputs

- Alarm activated relay
- Modem fault relay

GENII MPI

Comms Terminals Identification

RJ12 Socket	Comms Pin No.	RS485 Interface Comms Terminals
1	Positive of "Global Comms"	G+
2	Negative of "Global Comms"	G-
3	Common of "Global Comms"	Shield
4	Common of "Net Comms"	Shield
5	Positive of "Net Comms"	N+
6	Negative of "Net Comms"	N-

Terminal Identification

Alarm Relay and GENII MPI Power

Alm I = Normally Closed contact of Alarm relay.
Alm O = Normally Open contact of Alarm relay.
Alm C = Common contact of Alarm relay.
COM = 0V or Common of MPI power supply.
SUP = 16VAC or 24VDC of MPI power supply.

Modem Fault Relay

PS “Live” side of Modem power supply.
PS & M Common for Modem and Modem power supply.
M Relay switched supply to Modem

Temperature Ratings

Storage 0 to 50°C non-condensing.
Operating 0 to 50°C non-condensing.

Installation

DO NOT locate the GENII MPI inside a switchboard as this will violate Austel regulations. This is especially important when it is connected to a modem on the public telephone network.

- Place the GENII MPI in a dry and clean location free of vibration.

Wiring

- DO NOT connect 240VAC to any terminals
- Connect the 16VAC or 24VDC plug pack supply to the correct terminals, observing the correct polarity of the connections (COM-, SUP+).

COM does not need to be earthed if using the double insulated plug pack supplied.

- Connect the RS485 COMMS to the GENII MPI via the RJ12 socket on the rear panel, using the cable supplied
- If required connect a printer to the GENII MPI via the DB25 parallel printer port on the rear panel
- Refer to Installation Guide and the Innotech Network Cabling Manual DS99.04

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