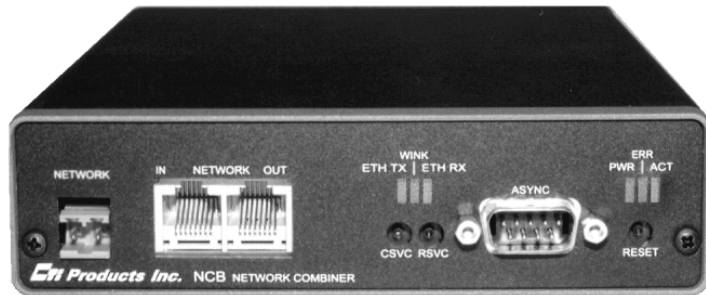




HIB-IP™ Network Interface **For MCN™ Monitoring and Control Systems**



Introduction

The HIB-IP™ Network Interface Module is part of CTI Products' Monitoring and Control Network (MCN™) System. It connects a PC running the MCNRCD software to a remote MCN network over an IP network.

Remote Comparator Display Systems

A Monitoring & Control Network will have various Input/Output modules (such as CIB, AIB and IOB modules) connected to comparators and other alarm points and relays.

The HIB-IP module is installed at the remote MCN network. It brings the status indications (Vote, Receive, Disable, Fail, Alarm, etc.) back to the PC over an IP (LAN or WAN) network. It also allows the operator to control the remote devices.

PC Connection & Security

The HIB-IP unit can connect with one PC at a time. For security, it contains a user-configurable PC Authorization list which contains the IP addresses of all authorized PCs.

Multiple Simultaneous PC Displays

Multiple simultaneous PC display positions are supported in the MCN system in three ways:

- HIB-IP module with the MCNRCD Server PC with multiple PC clients connecting to the Server.
- Multiple HIB-IP units (one per PC)
- EXB Network Extenders (Internal Modem, Serial, or IP) and appropriate Network Interfaces (PCLTA, HIB-IP or HIB-232)

Full parallel status and control on all PCs is supported.

Compatibility

The HIB-IP unit is fully compatible with the:

- CIB and AIB Comparator Interface Modules
- IOB I/O Modules
- Router/Repeaters, EXB Network Extenders

Software Support

The HIB-IP unit works with the following software:

- MCNRCD-WIN Rev 2.00 & up
- MCNRCD Server Rev 2.00 & up)

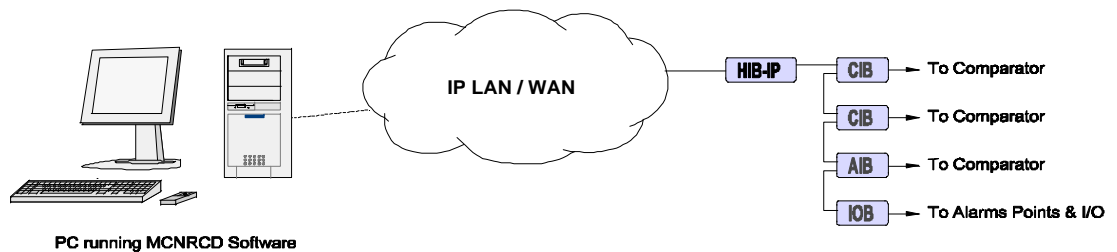
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HIB-IP System Connection

CA-80698-100

General Specifications

Size (MCN Size B)	7.5" D x 5.6" W x 1.6" H (191 x 142 x 41 mm)
Weight	24oz, (683 g)
Environmental	0-60° C at 10-95% relative humidity, non-condensing
MCN Network	Standard 78K
MCN Network Connectors	(2) RJ-45 (1 in, 1 out)
IP Network Transport	UDP/IP over 10Mbps Ethernet
IP Addressing Modes	Static IP Address for HIB-IP – User programmable
IP Connection	10Base-T, RJ-45 connector
Security	PC Authorization List – User Configurable Up to 32 Authorized IP addresses for PCs
PC Connections	One connection at a time to an Authorized PC.
Power Input	10 to 30 VDC, 6 watts max. Requires separate power supply. Does not use power from MCN network.
Safety Approvals to	UL1950, CSA C22.2 No. 950, EC EN60950, CE Marked.
Emissions Compliance	FCC part 15 Class B Industry Canada (IC) Class B EN55022 Class B
Susceptibility Compliance	IEC 801 -2, 3, 4 EN50082-1