

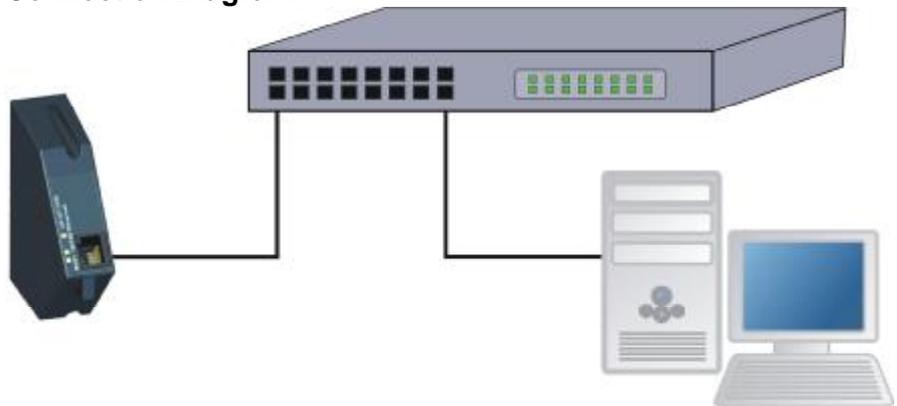


M4221 Ethernet Communications Module

Module Description:

Network	10/100 Base TX with Auto Negotiation
Physical Connection	Standard RJ45 connector
Services	DHCP Client HTTP Server (module setup only) – TCP Port 80 1 Row bi-directional port (SER.2A on indicator) – TCP Port 2222 10 Row transmit only ports (SER.2B on indicator) – TCP Port 2223
Power Supply	Internal
Status Indicators	Link – Indicates Ethernet link established Act – Indicates activity on the network Status – Flashing indicates module operating
Web Interface	Default username – admin Default password – PASS

Module Connections Connection Diagram:



M4221 SETUP

The indicator should be switched OFF before installing or removing this device.

Modules are configured using the indicator setup. Setup can be done via the indicator keypad or the viewer program. An overview of setup is given below; see the indicator Quick Start or Reference manuals for detailed setup information.

The indicator provides configuration checking capabilities for the M4201. This is found in the H.WARE setup menu. See the indicator Quick Start or Reference manuals. This module appears as serial ports 2A and 2B on the indicator.

K402 SOFTWARE SETUP

Rinstrum Network

(i) Setup. . . . SER.NET. . . . (Refer to quick start manual for settings)

Automatic Output

(i) Setup. . . . SER.AUT. . . . (Refer to quick start manual for settings)

IP Configuration

(i) Setup. . . . H.WARE. . . . ETH.HW. . . . (Refer to quick start manual for settings)

Current IP Settings

(i) Acc. . . . M4221. . . . +/- Key. . . . (Refer to quick start manual for settings)

M4201 TROUBLESHOOTING

The M4221 has 3 annunciators which help with troubleshooting. These annunciators are shown as yellow on the Module Connections figure above.

Problem	Possible solutions
Link LED not lit	Check cable Try connecting directly to switch or hub
Status LED not flashing	Indicates an error with the module – contact service
Cannot establish connection to indicator	<ul style="list-style-type: none">• Check LINK LED is lit (see above)• Verify IP address against Acc menu• Attempt to ping indicator• Verify ACTIVITY LED flashes• Ensure connection is not being blocked by firewall between PC and indicator• Use web browser to connect to config page• Use telnet to establish a connection
Connection established, but no data received	Ensure the appropriate protocol (SER.NET or SER.AUT) has been assigned to use SER.2A or SER.2B