Connect the signal wiring to your TCD/IP's rear panel, using the "Descriptions of TCD/IP Rear Panel Components" box on the right as a guide.

START

- Rack mount your TCD/IP, ensuring the ventilation holes on the side of the unit are not covered.
- Refer to the labeled "TCD/IP Rear Panel" illustration below while installing your TCD/IP.
- Refer to the TCD/IP Manual for more detailed instructions.
- Refer to the "Definitions" box on page 2 for more information on terms.

DEFINITIONS

- DEVICE: any resource controlled by PLUS-BUS or PRO-BUS interface
- GPI: General Purpose Interface; contact closure with two states—"ON" or "OFF"
- LED: Light Emitting Diode
- NTSC: National TV Standards Committee; federally regulated U.S. TV transmission standard
- VGA: Video Graphics Array; graphics display system for PCs

NOTES

- DEVICE
- GPI
- LED
- NTSC
- VGA

TCD/IP INSTALLATION QUICK GUIDE

Attach the included power cord to the power supply connector on the rear panel of the TCD/IP (L), and then plug it into an AC power source.

LEIGHTRONIX strongly recommends the use of an Uninterruptable Power Supply (UPS) with the TCD/IP. Damage from power loss or spikes is not covered under warranty.

Use the power switch to turn on the TCD/IP.

Connect the signal wiring to your TCD/IP's rear panel, using the "Descriptions of TCD/IP Rear Panel Components" box on the right as a guide.

CAUTION

Use the power switch to turn on the TCD/IP.

DEFINITIONS

- DEVICE: any resource controlled by PLUS-BUS or PRO-BUS interface
- GPI: General Purpose Interface; contact closure with two states—"ON" or "OFF"
- LED: Light Emitting Diode
- NTSC: National TV Standards Committee; federally regulated U.S. TV transmission standard
- VGA: Video Graphics Array; graphics display system for PCs

CONTINUE STEPS ON PAGE 2 OF THIS DOCUMENT.
To access a remote TCD/IP through the Internet, contact your Internet service provider and network administrator for more information.

For more information on serial PC management, refer to the TCD/IP Manual.

Configure TCD/IP for Ethernet network access. The two recommended Ethernet connection scenarios are described on this page.

**NOTE:**

- Your PC must have a Windows® 95/98/ME/NT/2000/XP Operating System in order to run WinTCD software.

**NETWORK ETHERNET CONNECTION**

Connect TCD/IP to an existing Ethernet TCP/IP Network per the following steps:

1. Obtain the following from your technical support personnel or network administrator and enter into the front panel of your TCD/IP (refer to “Entering TCP/IP Addresses into TCD/IP Front Panel” below):
   - IP address
   - Subnet mask
   - Gateway address

2. Using a straight through RJ-45 Ethernet cable, connect the TCD/IP’s Ethernet port (F) to a 10/100 BASE-T hub or switch on the TCP/IP network.

3. Ensure the TCD/IP and PC have been properly configured for Ethernet network access by checking to see that the yellow LED above the Ethernet port is on. If the yellow LED does not turn on, check the following:
   - Proper addresses have been entered into the TCD/IP front panel
   - Straight through cable was used to attach TCD/IP to the network

**DIRECT ETHERNET CONNECTION**

Connect TCD/IP directly to a PC per the following steps:

1. If necessary, install and configure a 10/100 BASE-T Ethernet Network Interface Card (NIC) on the PC. Refer to the NIC documentation and technical support for further instructions.

2. PC NETWORKING ADDRESSES: obtain your PC’s TCP/IP networking IP address and subnet mask from Windows (see the TCD/IP Manual or your computer manual for more detailed instructions).

3. TCD/IP NETWORKING ADDRESSES: Enter the following IP and subnet mask addresses into the front panel of your TCD/IP (refer to “Entering TCP/IP Addresses into TCD/IP Front Panel” at right):
   - IP address: one number above your PC’s IP address (for ex., if your PC’s IP address is 10.255.9.15, set your Controller to 10.255.9.16)
   - Subnet mask: your PC’s subnet mask address

4. Using a cross-over RJ-45 Ethernet cable, connect the TCD/IP Ethernet port (F) to the PC’s NIC.

5. Ensure the TCD/IP and PC have been properly configured for Ethernet network access by checking to see that the yellow LED above the Ethernet port is on. If the yellow LED does not turn on, check the following:
   - Proper addresses have been entered into the TCD/IP front panel
   - Crossover cable was used to attach TCD/IP to PC

**ENTERING TCP/IP ADDRESSES INTO TCD/IP FRONT PANEL**

1. Enter front panel password according to the following steps:
   a. Press the key to display the password entry screen.
   b. Press the key 5 times to enter the factory-default password and display the “CONFIG MENU” screen.

2. Enter each address into its corresponding entry screen:
   - IP address: “Edit unit IP Address” screen
   - Subnet mask address: “Edit unit Subnet Mask” screen
   - Gateway address: “Edit unit Gateway Addr” screen

3. The TCD/IP must be rebooted to apply any TCP/IP address changes (simultaneously press and and then press ).