



Setting up a PC Ethernet connection to the DLMS4080

These instructions allow a computer to communicate to the DLMS4080 through an Ethernet connection:

- 1) If you are not familiar with setting up a CAT-5 Ethernet connection, then we advise you to have a person familiar with this procedure set up your network on your behalf
- 2) The first step is to connect the Ethernet Switch to the computer and to the DLMS4080 with Ethernet straight-thru cables.
- 3) In Windows XP click the **Start** menu button in the bottom left corner of the screen.
- 4) Click on **Run**
- 5) Type "**command**" and click **OK**
- 6) Type in the command **ipconfig**, and then press the **Enter** key.
- 7) Note the **IP address** and the **subnet mask**. Write these numbers down on a piece of paper. For example if your computer's **IP address** is **169.254.168.107** and the **subnet mask** is **255.255.0.0**, for the two devices to communicate, an **IP address** in the same network group should exist in the DLMS4080. To access and change the **IP address** in the DLMS4080, with the unit powered up:
 - A) Press **Enter**
 - B) Press the **Menu >** button 6 times until the **Eth-IP** window is showing.
 - C) Enter **169.254.** into the first 6 digits of the **IP address** in the DLMS4080. Use the **<Cursor>** buttons and the **Data** wheel to change the numbers.
 - D) Now enter the last 6 digits of the **IP address** but using a slightly different number. For example you could enter **168.108**. The full **IP number** in the DLMS would read **169.254.168.108**. Press **Enter**. To confirm, press **Enter** again.
- 8) Now start up the **VTC ProControl PC software** on your computer. Do not connect to the device when asked.
- 9) Select **Setup** on the top menu bar. Select **Port Connection**. For the connection type: **Select CAT-5 Ethernet**. Next, you need to know the DLMS4080 device number. To find it, go to the DLMS4080 and press **Enter/Sys**. Then press the **Menu >** button 5 times until the **Comm** screen appears. Now press the **Cursor >** button once. The **Device ID:** screen will appear. Note the number, for example **Device ID: 1**. now, back to the **ProControl software**. Select the **Device No.** that you just found in the DLMS4080 into the Device selector. Check the box **Online** to confirm that this is required. Now enter the **IP address** that you entered into the DLMS4080. Following our example above, you would enter **169.254.168.108**. Press **O.K.** to close the window.
- 10) To check that the computer is communicating with the DLMS4080, go back to the DOS window that you opened using **ipconfig**. At the **DOS prompt** type in **ping** followed by the **IP number**. Our example from above would result in the command **ping 169.254.168.108**. If the computer is communicating with the DLMS 4080, you should see the results: **Packets: Sent= 4, Received= 4, Lost= 0**. This confirms that there was data sent to the DLMS4080, and data received in return. If you do not receive this result, then go back to step #3 and confirm the installation.
- 11) Start up the **VTC ProControl program**. When asked, **Do you want to connect to the device**, select **Yes**. After the start up window if the computer is communicating with the DLMS4080, you should see in the **Device List "Device 1 (connected)"**. Now the DLMS4080 VTC ProControl software can control the DLMS4080.



How to find out the IP address of the computer

To verify for **Windows XP**:

- 1) Click the **Start** menu button in the bottom left corner of the screen.
- 2) Click on **Run**
- 3) Type "**command**" and click **OK**
- 4) Type "**ipconfig**" and click **OK**
- 5) The IP address will be shown

How to ping the router/switcher/processor to find out if connected and functioning

To verify for **Windows XP**:

- 6) Click the **Start** menu button in the bottom left corner of the screen.
- 7) Click on **Run**
- 8) Type "**command**" and click **OK**
- 9) Type the following text into the DOS Window: "ping xxx.xxx.xxx.xxx" where xxx.xxx.xxx.xxx is the IP address.
- 10) You'll see response from the IP if the connection is OK