

5100-OEM Quick Start Guide

This guide will help you get started. Detailed instructions are available in the NexSens 5100-OEM manual.

Overview

The NexSens 5100-OEM is an iSIC data logger with an integrated Ethernet controller that provides communication over LAN or WAN.



What's Included

- Data logger with integrated Ethernet controller
- (2) Mounting flanges
- iSIC Kit
 - (2) A75 Gland fittings
 - (5) Desiccant packs
 - A72 RS-232 interface cable
 - iSIC resistor pack
- A78 CAT5E patch cable
- DB-9 null modem adapter
- Grid connect driver and utility software CD

Field Installation

1. Mount the data logger to a wall, pole, or other secure location above flood stage using the supplied mounting flanges.
2. Connect sensors to the data logger. See the sensor interface manuals for wiring and other details. Bring any cables into the enclosure by removing a port plug and installing an A75 gland fitting from the iSIC kit.
3. Power the data logger by connecting an A60-OEM cable to the MS4 port on the data logger and wiring the red and black leads to an external 12V power source.

Setting up a Connection

1. On the computer that will be connecting to the data logger, insert the Grid Connect software CD. From the Software menu, install the Device Installer and the COM Port Redirector, and then reboot the computer.
2. Using the A78 CAT5E patch cable, connect the data logger to the same local network the computer is on.
3. Open Lantronix Device Installer from the start menu and click **Search**. If multiple devices are displayed, match the MAC address with the same address on the label located inside

of the 5100-OEM enclosure lid. Record the IP address.

4. From the **Tools** menu, click **Ping**. Type in the IP address and then click **Ping**. The connection has been made when the "Reply from..." message is displayed. Close the Device Installer.
5. Open the Lantronix COM Port Redirector software. Record the COM port number listed next to the Redirect field. Click **Port Settings** and put a check next to "Raw Mode." Click **OK**.
6. Click **Add IP** and enter the IP address recorded in Step 3 into the Host field. Enter '10001' in the TCP Port field. Click **Save**. Click **Close**.
7. Install iChart software on a Windows computer.
8. Open iChart and Select **Advanced | iSIC | iSIC** from the menu. Select the COM port number recorded earlier, then select **5100-iSIC** from the connection drop-down menu. Click **Connect**, and then click the **General** tab. If the Status group box at the bottom of the window has valid entries, then a complete connection has been established.

Configuring with iChart

1. Open iChart. If adding the data logger to an existing project, click **Project | Setup Device Wizard** or if creating a new project, click **File | New Project** to open the Setup Device Wizard.
2. At Step 2, select **5100-iSIC** from the list of NexSens data loggers. Click **Add**.
3. Select **Port Redirector** in the "Connect Through" box. Enter the correct iSIC address and select the correct COM port. Click **Test Connection** to check communication.
4. Continue the Setup Device Wizard and at Step 6 click **Program iSIC** to program the data logger and begin logging data.

For more information see the online manuals
www.nexsens.com/knowledgebase/manual.htm