

Sensorsoft®

SS8002 Quick Setup Guide

This document provides instructions for connecting, configuring and operating your Sensorsoft SS8002 Ethernet Thermometer.

Connecting the SS8002

Use the following procedure to connect the SS8002 to power and network:

1. If your SS8002 came with a mains power adapter, plug the supplied PA6106 or PA6206 power adapter into the mains AC outlet. Connect the 2.1 mm plug of this power adapter into the SS8002 power jack. If your SS8002 came with a PoE (Power over Ethernet) adapter please determine which type was delivered by looking at the packing slip;

For type P/N DWL-P50 set the switch on the DWL-P50 to the **5V position**. Then connect the supplied 2.1 mm black power patch cord between the DWL-P50 DC OUT jack and the 2.1 mm power jack on the SS8002.

For type P/N DWL-P200, determine if your network (Ethernet hub or switch) supports PoE. If your network does support PoE you only need to install the DWL-P200 terminal unit. In this case set the switch on the DWL-P200 terminal unit to the **5V position**. Then connect the supplied 2.1 mm black power patch cord between the DWL-P200 terminal unit DC OUT jack and the 2.1 mm power jack on the SS8002. Please note that in this case the DWL-P200 base unit and 48 V mains power adapter are left unused. If your network does **not** support PoE follow the Quick Installation Guide that came with the DWL-P200.

2. Connect an Ethernet patch cable (not supplied) between the SS8002 modular jack and your network hub or switch. If you are using a PoE adapter, connect the Ethernet patch cable (not supplied) to the P+DATA IN modular jack on the DWL-P50 or DWL-P200 terminal unit. Connect the supplied blue modular patch cord between the LAN OUT modular jack on the DWL-P50 or DWL-P200 terminal unit and the modular jack on the SS8002 thermometer.
3. You should now see a continuous green light illuminate on the SS8002 modular jack. This will signify that the SS8002 is powered and you have a LINK (connection) with the network hub/switch. If not, you will need to ask your network administrator to find an active Ethernet port on your hub or switch.

WARNING: We highly advise that you plug the mains AC end of the power adapter(s) into a UPS (Uninterruptible Power Supply) so that the SS8002 will continue to operate in the event of a power failure.

Configure the IP Settings (choose one of the following methods)

Method 1 – Using DHCP (default):

By default the SS8002 is setup in the factory to use DHCP to acquire an IP address. If you do not have a DHCP server on your network use method 2 described below, to assign a static IP address. To determine what IP address the SS8002 acquired via DHCP, please contact your network administrator or use the software in Method 2 to perform a search.

Method 2 – Using Windows software:

To use Windows software to find or assign an IP address for your SS8002 you must follow the steps below:

1. Download and install the following software on a networked Windows computer:
<http://www.sensorsoft.com/download/device-installer-4.3.0.9-setup.exe>
2. After installation, run the Device Installer software from the Windows start menu.
3. Power the SS8002 using the supplied AC-DC power adapter (P/N PA6106 or PA6206-xx) and connect it to your network using an Ethernet patch cable (P/N C2006).
4. Click the “Search” button on the software’s menu bar.
5. After a couple of seconds an item should appear, labeled XPort-0x (x = 3, 4 or 5). If several items appear, select the item that has your MAC address (printed on the SS8002 enclosure).
6. If the selected item is in a red colour, click the “Assign IP” button to assign a static IP address and follow the on-screen wizard instructions. If the selected item is in a black colour, it has already obtained an IP address using DHCP.
7. If using DHCP, telnet to port 9999 and use Server menu (0) to assign the device name that will be reflected in DNS.

Method 3 – Using the ARP and Telnet command on a Windows/LINUX/UNIX computer:

For this method to work you must be logged in as the administrator or root on your computer. The format of the MAC address below will vary depending on your operating system, please refer to the arp command help on your computer. The MAC address for this Sensorsoft device is printed on its enclosure. Power the SS8002 using the supplied AC-DC power adapter (P/N PA6106 or PA6206-xx) and connect it to your network using an Ethernet patch cable (P/N C2006). Follow the command procedure below to assign the IP address:

```
> arp -s ip_address MAC_address
> telnet ip_address 1 (this command should fail)
> telnet ip_address 9999
Press the <Enter> key immediately
Type 0 to configure the IP settings
Type 9 to save these settings permanently
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Reading the Sensorsoft Ethernet Thermometer

There are two ways to read your Sensorsoft SS8002 Ethernet Thermometer.

The first is using Sensorsoft software. In this case, refer to the applicable Sensorsoft software User Manual to configure the software for the IP address and TCP port number (default 3001) used by the SS8002.

If you do not have Sensorsoft software you can use a Telnet program to access temperature readings and other information. The following single letter commands may in some cases require you to include an <Enter> key, depending on your Telnet program settings. This method will only allow you to access the 0.5 C resolution temperature reading. Use the following telnet command line on your computer to connect:

```
> telnet ip_address 3001
```

Once you are connected, use any of the following commands:

Command	Description
t<Enter>	Read temperature
v<Enter>	Read firmware version
m<Enter>	Read model number