



Installing the Sensorsoft SNMP Agent Temperature Monitor Package

Package Contents

You should have received the following in this package:

- ST6105J Sensorsoft Thermometer
- MSS100 Lantronix Device Server with embedded Sensorsoft SNMP Agent software
- C2006 Ethernet patch cable
- C2001 RJ45 to DB-25F serial port cable
- F1000 Velcro fastener
- Sensorsoft MIB File diskette in DOS (FAT) format
- Sensorsoft SNMP Agent User Manual P/N 071-0047
- Sensorsoft Thermometer User Manual P/N 071-0014

Installation

1. Place the Lantronix MSS100 Device Server in its desired location, remembering that the cables connecting the Sensorsoft Thermometer to the MSS100 are twenty feet in length. Make the appropriate power connection using the power adapter provided with the MSS100. Also connect the MSS100 to your network using the supplied C2006 cable.
2. Place the Sensorsoft Thermometer in an appropriate location where you want to monitor temperature. More detail on how best to locate your Sensorsoft Thermometer is described in the Sensorsoft Thermometer User Manual. You can use the Velcro fastener to attach the Sensorsoft Thermometer to a convenient location (e.g. side of a wall or computer).
3. Connect the Sensorsoft Thermometer to the serial port on the back of the MSS100 using the C2001 cable. The RJ45 connector plugs into the Sensorsoft Thermometer and the DB-25 connector plugs into the serial port on the Lantronix MSS100.
4. Copy the MIB file into the include directory of your SNMP Network Management System (NMS) software.

Configuration

1. If the network settings (IP address and subnet mask) of the MSS100 were not custom configured for your network you will now have to do so. Information on how to do this is provided in the Lantronix MSS100 Device Server documentation.
2. Configure your NMS software to communicate with the MSS100 at your configured IP address.
3. Load the `sensorsoft1.mib` file into your NMS software as per the procedure recommended by the manufacturer.
4. Set the timeout feature of your NMS software for at least `6000 milliseconds` (6 seconds) to work properly with the Sensorsoft SNMP Agent.
5. Set the community name for this Sensorsoft SNMP Agent to `public` in the NMS software.

6. Once your NMS software can perform GET/SET requests using the above MIB file, SET the following MIB variables to the desired values on the Sensorsoft SNMP Agent:

```
trapDestination
location
unitOfMeasure (for C or F temperature scale)
scalarCriticalHighThreshold
scalarCriticalLowThreshold
scalarWarningHighThreshold
scalarWarningLowThreshold
scalarCriticalTrapInterval
scalarWarningTrapInterval
```

7. The temperature is read from the scalarData variable on the Sensorsoft SNMP Agent.
8. According to the instructions provided by your NMS manufacturer configure the NMS software to receive traps from the Sensorsoft SNMP Agent.
9. Stage a test of the Sensorsoft SNMP Agent's ability to send traps to the NMS software, by creating a temporary over-temperature condition (i.e. using a blow dryer).