

Overview

This application note describes the overall essentials of enabling the Point Manager and setting up the Wifi Sensors for use on a wireless network.

Note: Before installing the USB Programming Adapter to your PC, please install the Wifi Sensor Utility software first!

Note: Always have the USB side of the USB Programming Adapter connected to your PC before connecting the Adapter to the sensor.

Note: Software requires the Windows operating system (XP, Vista, 2000 Server, 2003 Server)

Sensor Setup

1. Install the Wifi Sensor Utility.
2. Connect the USB Programming Adapter to your PC.
3. Slide the sensor power switch to the ON position
4. Connect the other end of the USB Programming Adapter to the CONFIG port of the sensor.
5. Start the Wifi Sensor Utility.
6. Enter the necessary network and security parameters for your wireless network: IP parameters and Wireless Authentication and Security information. Enter the Destination IP for where you want the data delivered which for this application note is the Point Manager. You can optionally save these parameters with an associated name for later use. Just enter a descriptive name in the "Saved Settings" field and then click the Save button. Click the down arrow in the "Saved Settings" list box to recall any previously saved settings.
7. When ready to set up the sensor, click the Update button.
8. If you are within range of the Access Point, you can confirm if the sensor is configured properly by clicking on the Status tab.
9. When the update has finished, disconnect the USB Programming Adapter from the sensor. (Turn off the sensor if it will be a while before installing.) Slide the sensor power switch to the ON position.
10. Install the sensor near a Wifi access point.

Note: For some sensors, the "service" button is located in the center top of the sensor. For others you will need a paper clip to press the switch. Just momentarily press the service button to cause the sensor to transmit a data packet.

Note: The USB Programmer must be disconnected from the sensor in order for the sensor to transmit data.

Point Manager Setup for Wifi Sensors

1. Install the Point Manager and set it up for your network. The Wifi sensor must be able to reach the Point Manager on the network.
2. (Optional) Using either the serial port or the TCP/IP command port, send the command: <^B>CWSBT<CR>. This command enables the Point Manager to the battery life information sent from the sensor.
3. From this point the Wifi sensor is like any other sensor to the Point Manager.
4. If the Point Manager is set up for AutoAdd mode (default) (<^B>AS<CR>), press the button on the sensor twice (with a minimum of 5 seconds between presses) to register the sensor.
5. View the Point Manager web page to verify that the sensor is registered.

Note: It is highly recommended to have the Point Manager and the Wifi sensor on the same LAN or WAN