Siretta

Inspired Wireless M2M Technology

EM01b Series

HVAC Monitor

Quick Start Guide

Rev 1.3

This Quick Start Guide describes the simple setup procedure for the EM01b Series.

For more information please read EM01b Series Manual.

Quick Start Guide

- Apply the following settings to your ethernet Network card:

    PC IP address to 192.168.254.10

    Subnet to 255.255.254.0

    Gateway to 192.168.254.102

- Connect the power supply (included) to the Websensor

- Connect crossover cable (grey cable) from the PC to Websensor Ethernet port (next to the power socket) [see **figure 1** below].

- Switch on EM01b power at mains outlet.

- Both front face LEDs will flash twice with the amber power LED staying on permanently and the green transmit LED going out.

- The Websensor is now ready to communicate with the PC.

- Test communication by using the 'ping' command at an MSDOS prompt (ping 192.168.254.102 return) and the default IP address of the websensor.

- Default IP address – 192.168.254.102

- If unsuccessful response – press reset button on the side of the websensor for 10 seconds until the two LEDs flash twice and the amber LED stays lit with the green LED extinguishing. Leave Websensor for a few seconds to settle down and try 're - pinging'. This resets the device.

Figure 1. Ethernet and power

Ethernet

Power

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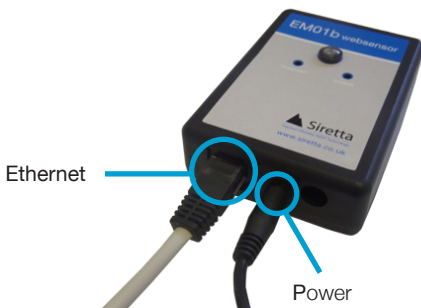
After successful communication with the 'ping' command try retrieving information from the Websensor by typing in the following command on the PC's web browser:-

http://192.168.254.102/index.html?em

This is asking the Websensor for temperature, light and humidity information and will show a reply string as shown in **figure 2** below. Serial No. stated at start of string.

Figure 2. Reply string
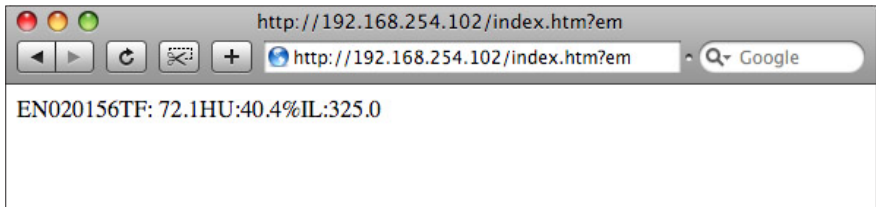
TF/C = Temperature, HU = Humidity, IL = Illumination

Your Websensor is now fully functioning and is ready for you to programme to your requirements.

Program Websensor IP Address

Programming your chosen IP address into Websensor is performed by using the browser to issue the following command:

http://192.168.254.102/index.html?eipaaabbbcccddd

Where aaabbbcccddd is the new IP address of the Websensor. Exclude dot separator

For example, suppose the new address to be assigned to the Websensor is 192.168.10.20 . The command to perform this change is:

http://192.168.254.102/index.html?eip192168010020

As the new address is entered, each octet must have three digits.
After programming is complete, change your network card gateway to the new IP address of the websensor and enter the following command to access the Websensor:

http://192.168.10.20/index.html?em

NOTE: Once the command to change the IP address is issued the Websensor will automatically reset itself. After the reset process completes, the new IP address will be in effect.

Summary of Commands Through Browser

Command	Function
http://192.168.254.102/index.html?em	Measure temperature, illumination and humidity.
http://192.168.254.102/index.html?etpF	Change temperature to Farenheit
http://192.168.254.102/index.html?etpC	Change temperature to Celsius
http://192.168.254.102/index.html?eFC	Change additional functions to door closed
http://192.168.254.102/index.html?eFR	Change addition function to additional thermistor
http://192.168.254.102/index.html?eFV	Change additional functions to voltage measure
http://192.168.254.102/index.html?ev	Measure voltage command
http://192.168.254.102/index.html?ecXX.XX	Calibrate voltage where XX.XX is calibration voltage (14.15 eg)
http://192.168.254.102/index.html?erXX.XX	Calibrate temperature of additional thermistor where XX.XX is calibrated temperature (eg 36.82)
http://192.168.254.102/index.html?eipaaabbbcccddd	Change IP address where aaabbbcccddd is the new IP address
http://192.168.254.102/index.html?eR	Read additional thermistor temperature
http://192.168.254.102/index.html?eL	Reset contact closure switch

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