

BUILDING CONTROL VIA WEB-BROWSER

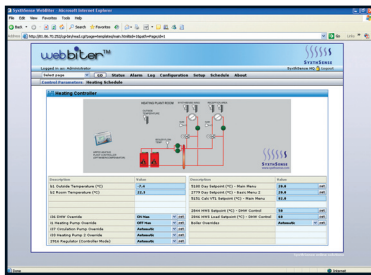
Flexible Management from anywhere in the World

Need to access the building control system to change the day set point, ensure the times are correctly set, or to check the temperature of the swimming pool, but you are on holiday in Majorca? Are you a headmaster and you would like to make sure that the computer room air conditioning fault has been cleared by the engineers today? Would you would like to check the meter reading via your PC without going to the basement boiler house?

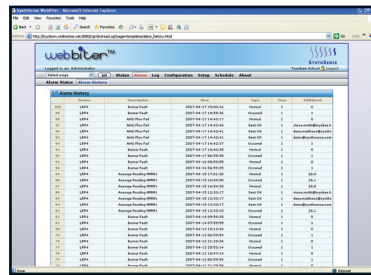
The Syxthsense WebBiter Embedded web server provides more than plant data via a web browser, it encapsulates the true meaning of empowerment and flexibility. No longer is there a need for a dedicated BMS Engineer to change schedules and set points, each person can observe and control their own environment within set boundaries, with confidence, and with security.

If you are next door or on the next continent the Web Server's power to access data is uniform. Graphical presentation of live plant data is instantly available from any controller connected to the WebBiter. Alarms and Log data are presented in standard formats for further adaption and analysis. Local control interfaces can also be used at the same time as the web server allowing staff on the ground and contractors to be able to carry out their work without having to gain access to the IT network or use a PC in the plant room.

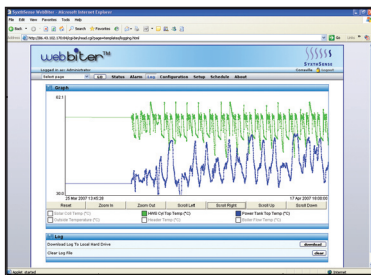
Because the WebBiter is designed on IT standards your existing IT infrastructure can be used without effecting the existing security or capability, this minimises the required investment of skill, time, and finance. Further, the Training requirement is reduced by using standard interfaces such as Internet Explorer and the fact that the same terminology can be used on all interfaces. Easy to use systems are a pre-requisite in a complicated world, its time to get more for your money.



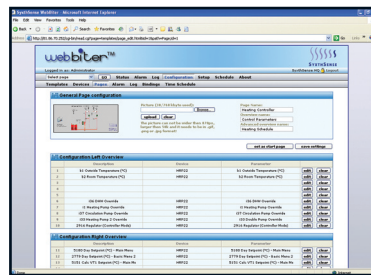
Web-Browser Connection Using WebBiter



Alarm Management using Built-In Alarm Console



Historical Data Logging with Real-Time Trend



Remote Programming Capability via Browser

Features:-

- Live data via a standard web-browser
- All configuration stored locally in the WebBiter
- Connectivity using intranet (ethernet), internet or dial-up
- Password protected system access with four security levels
- Secure data communication
- Modify setpoints, time schedules and other required parameters
- Built-in alarm email and mobile phone text messaging capability
- Data logging for up to 64 points, data stored in standard CSV-format and available as a Trend display
- Automatic log-file email transmission capability
- Very simple configuration
- Firewall friendly technology
- Integrated support for HRP, LRP, HLS34, FCU controllers and for wireless FLTA temperature / humidity sensors
- Support for third party Modbus RTU devices and Modbus IO-modules for extended plant monitoring
- BMS front-end software connectivity via an OPC or a DDE-server and seamless integration to Procion Back Engine solution
- Built-in on information technology standards
- Remote configuration via web-browser, no knowledge on web-page design required
- No need for Windows tools
- No hidden license fees



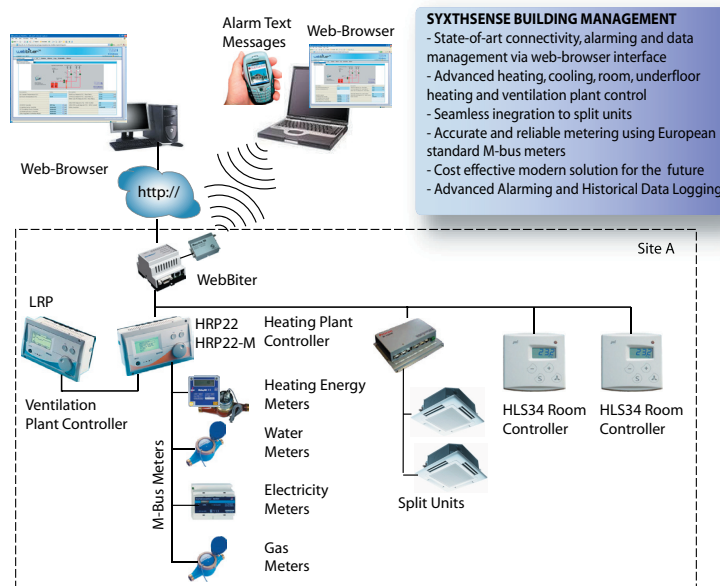
Log on to www.syxthsense.com now for a real time demonstration of how easy life could be !

WEBBITER EMBEDDED WEB-SERVER
Solutions for today and to the future



FREEDOM OF CONNECTIVITY

Using the SyxthSense WebBiter plant information can be accessed using any standard Web Browser. The Web server is typically installed in the plant room next to an Ethernet connection point and then to the nearest controller on any free RS485 connection. The WebBiter can then access data from any controller on the network and present the values on a configurable web page. The Web page connection can be made by direct connection to the WebBiter or by dial up. If a GSM Modem is connected SMS text message alarms can be sent to a mobile phone when required.



WEBBITER TECHNICAL DETAILS

Power Supply:	9-32Vac/dc, 1.7W
Ethernet Interface:	Supports 10/100Mbps; RJ45 connector
Communication	RS232 D-type (for MODBUS or GSM modem)
Ports:	RS485 RJ12 (for MODBUS)
Protocol Support:	MODBUS RTU
Max. Number:	
- Points	1200
- Alarms	64
- Users	64
Time Schedules (HRP/LRP)	Fully supported
Data Logging	CSV-format, Live Trend Graph
Alarm Setup	10 alarm classes, each user is associated with any of them for alarm email and/or text message
Access Protection	Four levels; super admin, admin, write, read
Data Storage	Configuration data stored in case of power failure

What information is available through WebBiter?

- Live data values such as temperatures, plant status signals, flow rates, fan speed information, pump trips, boiler lockouts, local manual overrides, valve positions
- Adjustable setpoints
- Remote overrides
- Time schedules on HRP and LRP controllers
- Plant alarms
- Historical logging data
- Meter readings
- ... in fact WebBiter is programmable to meet the specific requirements

M-BUS METERING WITH WEBBITER

Accurate Energy Information Reliably

Energy costs are rising constantly. Yet electricity, gas, heating energy and water meters are rarely connected via control system to provide remote access to the information. Traditionally meters are connected to the controllers using pulse outputs from the meters. The drawback in this approach is that the values on the meters and in the control system may not be synchronised for example after power-cut, and pulse counting is inherently more unreliable than intelligent networked solutions.

SyxthSense offers more advanced solutions for metering using M-bus capability of our controllers and meters. Using M-bus the energy consumption information read from the meters is accurate. M-bus also offers access to additional data such as flow rates, flow temperatures, heating power making the system ideal for comprehensive energy management. All this can be provided very cost effectively via HRP22-M controllers and SyxthSense range of M-bus meters. Meter readings can be read remotely using WebBiter over the internet or dial-up. SyxthSense Prodition Back Engine software further complements the solution providing automatic meter data collection to relational secure database, and access for analysing historical data.

- Accurate metering data, no loss of readings
- Meter readings available over telephone network, over local TCP/IP network or over Internet
- Additional data such as flow rates, supply and return flow temperatures and current heating energy available
- Cost effective long-term solution
- Metering data is available for analysis using Prodition Back Engine software or by spreadsheet such as Excel



HRP OPTIMISER/COMPENSATORS LRP VENTILATION CONTROLLERS

- Extensive range of heating and ventilation controllers
- Advanced control features including optimiser/compensators, demand based boiler control, boiler/pump rotation, multi-boiler systems etc..
- Graphical display and single knob operation
- Event based networking to other controllers
- Remote access to any data via the controller network
- M-Bus versions for advanced energy metering
- Easy programming through display or using software tools
- Programmable for wide range of applications
- Web-browser connection via WebBiter
- BMS connectivity via modem
- Designed for user-friendliness
- Built-in trending capability for on-site analysis
- No screening required on sensors - ideal also for retrofitting applications



HLS34 ROOM CONTROLLERS

- Modbus networkable room controllers with clear LCD and touch sensitive buttons
- Fan coil unit and chilled beam/ceiling applications
- 2-pipe, 4-pipe and air-side fan coil units
- Fan speed control
- CO₂ based fan speed boost feature
- Simple to configure and to network
- Carbon Trust accredited solution
- Wide range of energy saving features



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