

HSYCO & HWg STE TEMPERATURE AND HUMIDITY SENSORS INTEGRATION



HSYCO is a central home & building management system, which can be controlled from iPhone, iPad, Android Phones or touch display. Integration with I/O Controller devices from HW group enables new applications in smart house management.

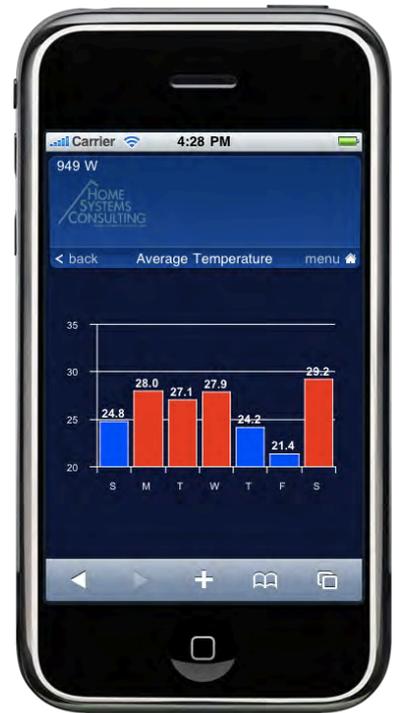
HSYCO is central software for Building Automation System. It controls all house infrastructure from one iPhone or iPad (lights, multi-room music & entertainment, bed, temperature, video surveillance and many more).

The HWg-STE is an Ethernet web thermometer configured using a built-in web server and with MS Excel reporting software. If the temperature (humidity) exceeds a specified threshold, an e-mail alert is sent. Up to two temperature/humidity probes can be connected.

Using network interfaces (TCP/IP), HSYCO integrates via LAN the HWg-STE temperature and humidity probes, constantly recording and displaying the information on temperature or humidity readings. HSYCO can use this information to control the field systems, nominally HVAC, optimizing the energy consumption and cut the corresponding costs.

From the HSYCO interface, the highest, lowest and mean values of temperature on a daily log can be graphically displayed. For example, the daily log can be divided into time slots, or the values of the previous 10 days can be summarized.

On a wider scale, thanks to its capability of integrating a variety of I/O Controller Ethernet devices, HSYCO can be installed in houses and buildings without automation systems. This enables for example the set up of a complete video surveillance solution and a sophisticated anti-intrusion system which includes a secure remote access. IP camera recordings are stored into the HSYCO server, which becomes a complete video surveillance system.



LIST OF APPLICATIONS



- ▶ Lighting
- ▶ DMX Control
- ▶ Automation
- ▶ Temperature Control
- ▶ Scenarios
- ▶ Timer
- ▶ Videosurveillance
- ▶ Antin intrusion
- ▶ Multi-room Music
- ▶ Home Theater
- ▶ Energy Management
- ▶ Localization
- ▶ VoIP
- ▶ I/O Interface Management



Outputs: Integration of lights control and automations for safety or presence simulation

Inputs: Door contacts, Presence Sensors, Flood Sensors, Level Sensors reading

Monitoring: External probes and gauges (temperature, humidity, pressure)

▶ Temperature and Humidity Sensors Integration

Integration via LAN of temperature and humidity sensors, useful to sense and constantly display the information on the temperature or humidity values in the house

Substantial savings on energy consumption

Daily logs divided into time slots, or logs that summarize the values of the previous 10 days to check the highest, lowest and mean values of temperature

Intuitive charts to make interesting comparative analysis

▶ System Extensibility

HSYCO is integrated with a variety of home automation systems for the integrated control of temperature, lighting (including DMX512), automations, scenarios and entertainment systems. HSYCO is also as a sophisticated virtual remote control.



ABOUT THE COMPANIES



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HW group s.r.o. is a dynamic company based in the Czech Republic.

Since 2000, HW group manufactures and distributes network technology products. The product portfolio is targeted to measuring and data collection. Approximately 60% of the production is destined to the EU market, 30% is exported outside of the EU.



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Home Systems Consulting S.p.A. is an engineering company fully dedicated to the design and development of technology integration solutions for homes and buildings automation. Clever design and integration of home automation technologies upgrade buildings to a different level of comfort, security and energy efficiency. Integrated solutions for the control of lights, temperature, sound and images create emotional scenarios that perfectly match the different living situations of each environment.