SMART HOME

Modern apartments are increasingly characterized by additional light sources and interior slighting effects. In addition to comfort, safety and energy savings, modern homes are often equipped with electrically controlled blinds, automatically controlled heating and air conditioning, and all kinds of monitoring and alarms systems. These undoubtedly improve people's lives, making them more comfortable, safer and convenient. But without the help of automation, the operation of these systems is complicated and generally inconvenient. In practice, all lights must be switched off separately, the heating system set and the blinds closed. On leaving the house we have to ensure that all lights have been switched off, the heating temperature reduced and the alarm system activated. In the case of several rooms, this can be troublesome, but we don't need to control over personally. In this situation, the perfect solution is automation, which presently covers practically all spheres of human life. Automation provides intelligent solutions for road traffic control, opening of gates, and the control control of technological processes in factories and industrial plants. Our imaginations of the future world, which until recently remained in the realms of "science fiction", is now slowly come into our everyday life and becoming a reality.Smart buildings systems allow us to adapt our hme to our life-style, enhance our safety, improve our quality of life and save on operating costs and energy. And what's more it'senvironmentally friendly.

POSSIBILITIES

Smart building systems make possible :

- the control of lighting and combinations of lighting systems to reflect a required mood.
- leaving the house in the hands of a one touch programme which switches off all the lights, raises the blinds and switches on the alarm system.
- a properly configured system which matches room temperature with the time of day or night and the season.
- a pleasant early morning wake-up call which will automatically raise the blinds, increase the temperature in the room, and switch on your coffee machine or any other device which you choose.

CEURON SYSTEM

The basic element of the CEURON automation system is a central unit called the controller. The main task of this controller is to create algorithms of the building's automation system, transmit orders and receive information from the node execution units and communication with an external internet server. In Ceuron system, data transfer with system nodes (execution modules and sensors) takes place via wireless communication. The controller connects with the internet via Wi-Fi wireless transmission, which means a smart home can be remotely controlled.

The function of the nodal unit is to execute the tasks of the controller in relation to external equipment, such as lamps, blinds, radiators and air conditioners, and to download information about the state of various sensors, such as switches, temperature sensors, and lighting..

INSTALLATION

Installation and initialization of the intelligent building system is very simple. All it needs is the installation of relatively small wall-mounted wireless devices in place of there traditional light switches, blind and ventilation controls etc..

Finally, all that is needed is to programme your settings with the aid of a touch-screen, in much the same way as with a modern smart phone. And that's all.

The great advantage of this system is it's flexibility – it can be used un small apartments, medium-size homes and large buildings, such as office buildings, shopping malls and public facilities.

CEURON®