

APARTMENT



Solutions for the apartment

iNELS RF Control - home control using wireless controllers



Problem:

A married couple Polákovi decided to move from a large apartment on the fourth floor, in which they raised their now adult sons, in a smaller more comfortable apartment they do not have to worry about such a large household, and walk every day up and down the more and more demanding stairs of the house. Mr. Polák is also just after knee surgery and his mobility is now limited. For this reason, the couple needed a household which makes life

easier for them. The sons helped them with the electrical wiring choices and opted for a solution that helped their aging parents to improve their lives. It was primarily about safety and comfort to make everything in the apartment work seamlessly, save energy and, above all, make sure their parents have all the comfort and functionality they deserve along with the simplest possible operation.

Solution:

The eLAN-RF-003 smart box, which is connected to a home WiFi network, is used as a basis for the installation. Thanks to this unit, the family gained the ability to control all components in the iHC-MAIRF mobile application while meeting the requirement for central control from one place, using a tablet mounted on the wall of the living room. For the permanent power supply of the tablet, a socket is located on the other side of the wall, i.e. in the corner of the kitchen. In order to not charge the tablet 24 hours a day, the CRM-2H which acts as asymmetric cycler and alternately enables/disables the power supply to the tablet according to the selected time slots.



Security & Safety:

To ensure security, we have used various types of detectors from our range. The RFSD-100 smoke detector with built-in internal siren was placed in the kitchen. In the entrance corridor and living room, two RFMD-100 motion detectors were used to monitor the movement of unsolicited persons. Each window was also fitted with the RFWD-100 window detector, which makes it easy to see if the windows are open or closed. In addition, the installation of 2N video door monitor at the entrance to the apartment building gave the couple an instant overview of who is ringing or which people are moving in front of the house.

Lighting and shading:

Due to the pre-installed motors for the external blinds, these blinds were fitted with an RFJA-12B, a switching component for blinds was placed in the installation box under the switch. With the RFWB-20 switch, these blinds are simply controlled. For the regulation of heating, six RFATV-1 thermo-heads were used; these were mounted on valves of the radiators. Weekly heating plans were set using the tablet or phone app. Using the feedback temperature information provided by the RFATV-1 thermo-heads, the system knows whether the room is overheating or vice versa.

Advantages:

- fast installation without extensive and demanding construction work
- compatibility and automation of the components allows for addition and enhancements to the installation
- the location of the wall mounted wireless controllers is variable



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