

Module: Intelligent house 4.0

Submodule: Installation and configuration of smart light control

Student's tasks

Information:

In the Living room switching of the ceiling lights is done by two-way circuits with conventional switches. Another luminaire is a floor lamp, which is connected to the power supply via a 230V socket. To implement the customer order, in a first step the control of the floor lamp connected to the socket and the conventionally constructed two-way circuit should be replaced by smart home components.

The smart home components required to implement the customer order are offered by a large number of manufacturers. The customer has decided on the basis of its own research as well as positive feedback from friends for the smart home system from Bosch.

For practical implementation, the "Smart wall" is available (see document [1_Smart_Light_control_students-description-Smart-Wall-ENG.pdf](#))

Tasks:

Your task is to carry out the conversion of the light control in the living room.

1. Start by planning the required workflow and document your workflow.
2. Discuss your workflow with the other members of your learning group and correct it if necessary.
3. Realize the workflow by using the smart wall.
4. Document the working steps you have done
5. Describe the problems during installation and configuration as well as the way to solve those problems

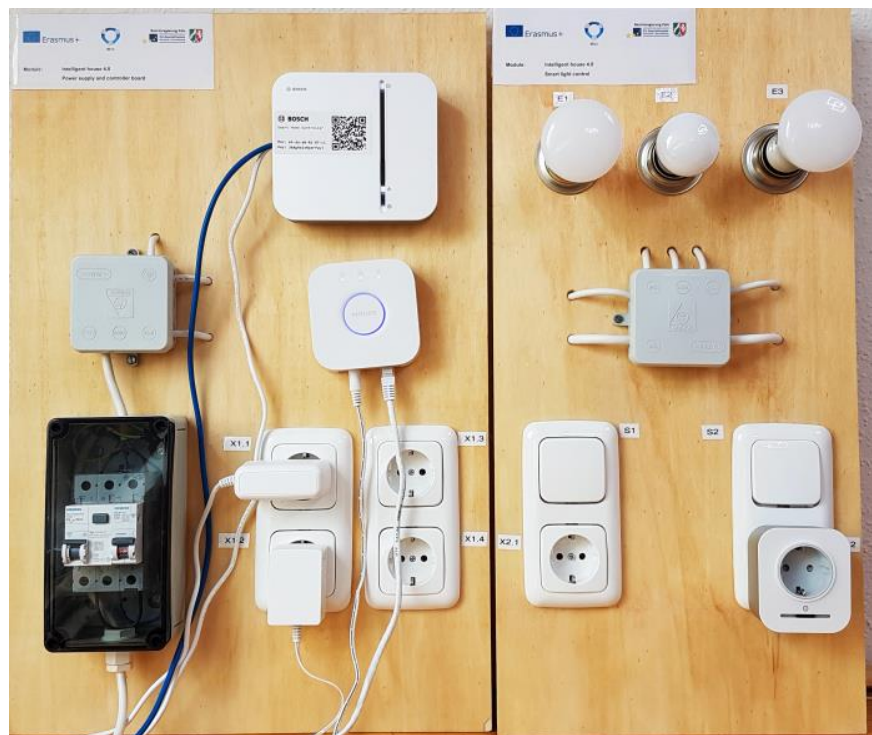


Abb. 1: Smart Wall, Module 1 and 2