

Module: Intelligent house 4.0

Submodule: Installation and configuration of smart light control

Information for teachers I

Description of the Smart Wall

The practical implementation of the Submodule “Smart Light Control” will be realized on the Smart Wall using module 1 and module 2

Module 1 contains connection options for controllers, switches, WLAN routers etc. as well as the power supply. The power supply is single-phase via the connection to a socket. It is protected by a RCD 16/30mA and a B10A circuit breaker.

Construction and wiring are shown in the pictures below.



Module 1, Front
With Bosch Smart Home Controller and Phillips
Hue Controller

Module 1, Back



Module 1, Circuit Breaker and RCD



Module 1, Wiring

Module 2 contains a conventionally constructed, functional two-way circuit as well as three E27 sockets for light sources. Switches S1 and S2. E1 and E3 are used to hold Phillips Hue bulbs and are directly connected

The light source E2 is connected via a conventional changeover circuit with the changeover d to phase L1 without a switch.



Module 2, Front with 2 Phillips Hue Bulbs and smart plug



Module 2, Back