

Operation and Display Concept

KNX offers numerous possibilities in electrical installations of offices, hotels, restaurants, exhibition halls, gyms, etc. for more comfortable light, energy savings and safety. Due to the high turnover of staff in these buildings, simple and intuitive operation and notification concepts are expected.

The solution

GePro (corporation for process technology), Stralsund offers a hardware oriented solution for this task on the market. The operating panels with push buttons and LED display are utilized for operation, control and notification. Different tasks can be covered due to the numerous available types.

Implementation

The setup shows functions which can be found in KNX systems everywhere:

Switching function via switching actuator

Dimming via dimming actuator

Automatic switching via motion detectors and brightness sensors

Room temperature controller, consisting of valve and actuator with integrated thermostat

Central alarm system, window and door monitoring and arming function

Features

Operating mode of armed system:

- Confirmation by buzzer
- Night setback of the room temperature
- Motion detector active for alarm system
- Lights off
- LED display shows all functions
- Operating mode un-armed system:
- Room temperature normal
- Operating mode “comfort”, “standby”, “setback” and “frost protection” can be chosen from the panel
- Open window contacts activate “frost protection” (energy savings)
- Motion detectors are active as automatic switches
- Manual switching and dimming via touch panel possible
- States are display by LED

Advantages

- Automatic function for comfort, safety and energy savings
- Clear and intuitive operation through letters on the buttons
- Nice design

System Integrator:

GePro – Gesellschaft für Prozeßtechnik mbH

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Figure:



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Pictures can be downloaded at:

<http://www.knx.org/knx/knx-projects/knx-international-projects/>