

Lighting control

Application: all commercial buildings

Save energy by controlling lighting scenarios for different areas of your building

“ I want an easy way to manage different lighting scenarios in different areas of my building and save energy. ”

Solution

Implement remote or manual controls to automatically manage different lighting scenarios

This solution uses KNX network technology to link push-button controls with switching and dimming actuators. Different lighting scenarios configured according to occupancy and use can be activated via KNX push-button controls. Individual KNX actuators may be used to switch or dim lights manually at any time. A remote control provides added practicality.

Benefits

For the user

> Use up to **10% less energy** than with a traditional installation for a similar-sized room

> Improve occupant comfort and room ambiance

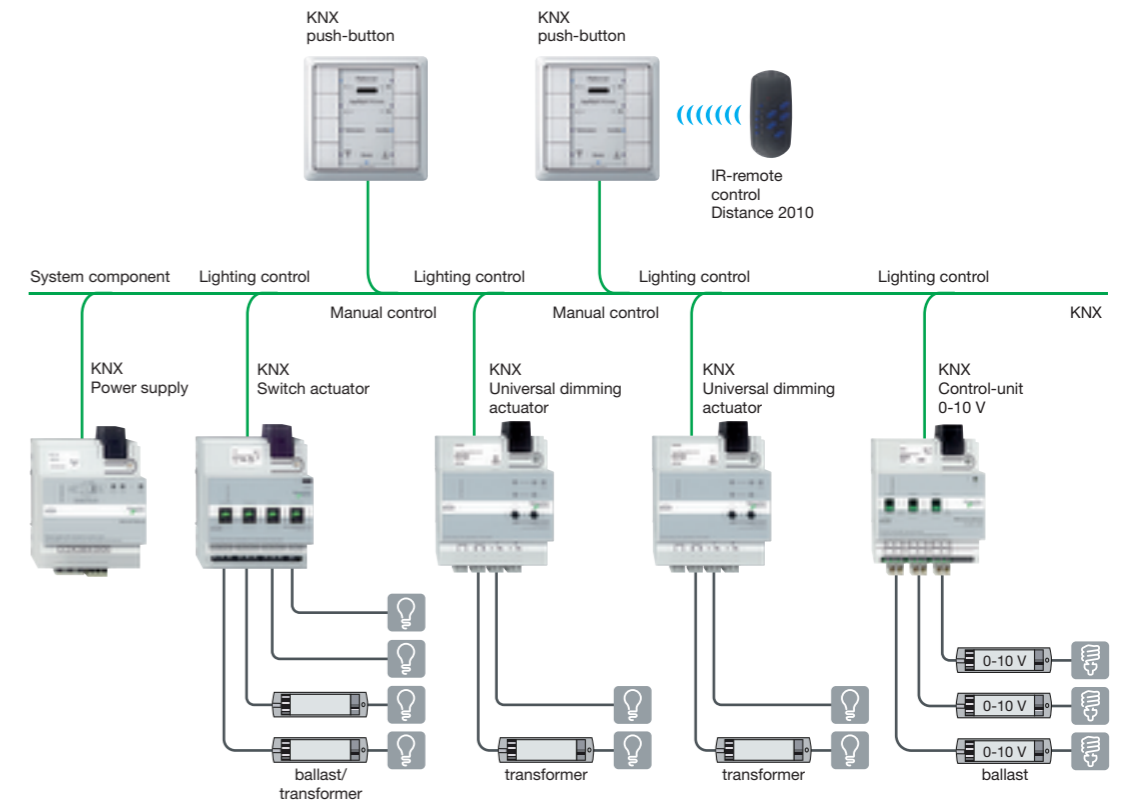
> Control by lighting groups eliminates unnecessary use

For professionals

+ Maximum flexibility, making adjustments to layout much easier than with traditional systems

+ Requires working with a skilled electrician or planner/integrator to get maximum user-friendliness and cost-effectiveness

Measure Reduce energy consumption Reduce energy costs



4-gang plus push-button control with IR receiver



Push-button control with 8 operating buttons, operating and status display, and labelling field. The operating display can also be used as an orientation light. All functions can be controlled via IR remote control. The push-button is pre-programmed for operation with a

Schneider Electric IR remote control. Many other IR remote controls (e.g. existing TV or CD player remote controls) can be programmed to work with the unit.

KNX software functions: switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edge trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edge with 2- byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.

KNX switch actuator
For independent switching of four loads. With integrated bus coupler and two screw terminals. For installation on EN 50022 DIN rails. The 230 V switch output can be operated with a manual switch.

- Nominal voltage: AC 230 V, 50-60 Hz
- For each switching contact:
 - Nominal current: 16 A, $\cos\phi = 0.6$
 - Incandescent lamps: 230 V AC, max. 3600 W
 - Halogen lamps: 230 V AC, max. 2500 W
 - Fluorescent lamps: 230 V AC, max. 2500 VA

- Capacitive load: 230 V AC, 16 A, max. 200 μF
• Device width: 4 modules = approx. 72 mm
• Contents: with bus connecting terminal and cable cover

