

## Building management

**Application:** all commercial buildings; particularly suitable for retail

# Monitor and control electrical loads in your retail shopfront

“ I need to be able to check the status of the oven, refrigerator and security cameras quickly and easily when I close up my shop. I want to make sure everything is secure and avoid wasting energy. ”

### Install **KNX current sensing switch actuators** connected to a touch panel to monitor loads

The touch panel shows the status of the different loads and indicates potential risks—such as the refrigerator, oven, or security system—during shop opening hours.

The system cuts power to specific loads—like an oven left on at night—thus eliminating waste. It also helps to ensure proper operation of the security system by monitoring devices like security cameras and lighting.

A KNX logic module rotates the lighting sources used at night from one night to the next for more even use of light fixtures. The touch panel provides information on the operating hours and expected lifetime of each fixture, for more efficient maintenance and replacement.

Solution

# Benefits

## For the user

> **Monitoring consumption and identifying unnecessary use can generate savings of up to 10% and more**

> **Lower maintenance costs** by rotating lighting sources



> **Reduce energy consumption**

> **Increase safety of people and property** through automatic alarms and emergency calls

> **Added convenience** of remote monitoring and control

> **Easy upgrades and extensions**

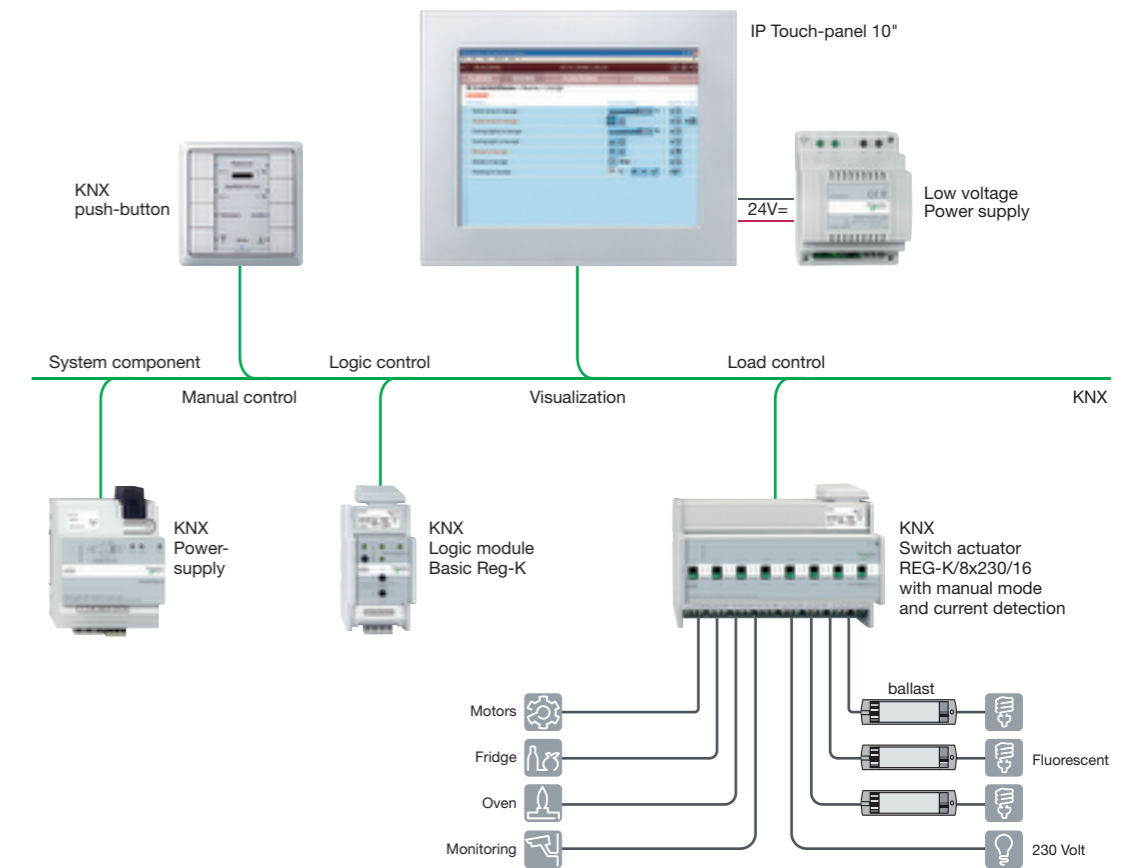


+ **KNX systems are easier to design** than traditional systems with similar functions

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

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

Measure  Reduce energy consumption  Reduce energy costs



### **REG-K/8x230/16 switch actuator with manual mode and current detection**

- Capacity to switch eight loads independently
- Integrated current detection on each channel
- Nominal voltage: AC 230 V, 50 - 60 Hz
- Nominal current Per switching contact: 16 A, cos = 0.6

### **The 10"KNX interactive touch panel**

- is used to display and control building states and functions. It comes pre-installed with Windows CE for fast, easy data management, web, client/server, and network configuration
- KNX software configuration via TP VISU
  - Display size: 10.4" (24.4 cm)
  - Resolution: 800 x 600 pixels, SVGA



- Display type: TFT, resistive touch
- Colours shown: > 65,000
- Mains voltage: DC 24 V
- Power consumption: < 20 W
- RAM: 128 MB