

Energy monitoring

Application: small retail buildings

View and monitor the energy used by your lighting installation

“ I want to get an overview of the different loads in my retail space so that I can identify areas for potential savings. ”

Solution Install a **KNX system** to meter and monitor the different loads in your building

The solution is based on EN40p electric meters at the electrical distribution level. For each kWh used, a given number of pulses are sent from the meter to the KNX binary input. Consumption data is then transferred to the 10" IP touch panel, where it can be viewed and processed. The touch panel can also be used to view and control current building states and functions.

Benefits

For the user

> **Reduce energy consumption by up to 10% and more:** monitoring energy use enables you to identify waste and encourage more energy-efficient behaviour

> **Increase safety** by automating alarms and emergency calls

> **Enjoy the convenience** of remote monitoring and control

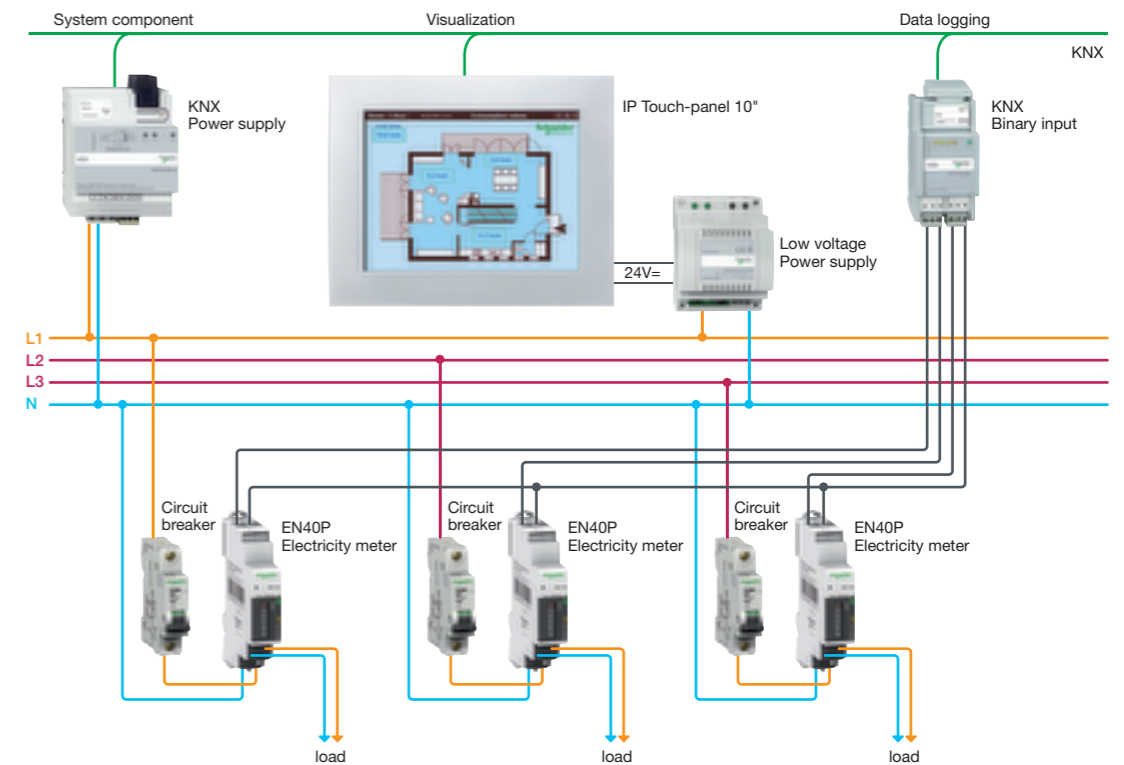
> **Lower installation costs** than traditional systems with similar functions

For professionals

+ **Flexible, for easy add-ons and modifications:** all equipment is connected via a common bus line allowing you to reconfigure or expand the installation without costly building work

+ **New opportunities for your business:** KNX solutions must be implemented by skilled electricians or integrators and offer an array of user-friendly, cost-effective functions

- ✔ Measure
- ✔ Reduce energy consumption
- ✔ Reduce energy costs



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

EN40p kilowatt-hour meters

- Single-phase kilowatt-hour meter with remote transfer of metering impulses (static output)
- Compliance with standard IEC 61557-12, IEC 62053-21(class 1), EN50470-3
- Provides direct measurement up to 40A without CT's, an auxiliary power supply for even greater savings in term of wiring

