Lighting management for a university

Optimize energy consumption and improve operation flexibility

Customer case

The university facility manager wants to achieve savings on lighting consumption for this building of several floors.

Each room should be controlled separately. A manual control shall be also possible for each floor.

The building light should be turned off automatically when the university is closed.

The light in one room can be switched on again (for maintenance purposes, or exceptional events like late conferences or meetings) and will remain switched on until the next extinguishing order.

Our recommendation

The use of an iTLc impulse relay ensures the control of a lighting circuit via dedicated push buttons for each classroom. It also makes it possible to receive a lighting extinguishing control order for the complete floor.

In addition, one iATLc+c auxiliary for each floor allows extinguishing of all the building's lighting.

The IHP+ 1c ensures automatic extinguishing of the entire building by impulse control.

Benefits

- **Ease of installation:** the centralized function incorporated in the impulse relay can reduce the space requirement in the switchboard.
- **Simple automatic control solution:** the IHP+ 1c programmable time switch has a user-friendly interface, an impulse control mode and a large number of possible switching operations.

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Solution

Specifications

- The lighting solution must be optimized in terms of space requirements.
- No special skills should be required for configuration.
- The lighting control should be performed independently, per room, per floor and for the whole building.
- The general lighting switch off should be performed through an automatic impulse control order generated when the building is closed and then repeated every half-hour.

Products used

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More about iATLc+c

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