

Education Classroom

In a classroom, the student's comfort is paramount and Standard EN 12464-1 stipulates a minimum level of lighting. That is why lighting and sun protection should be automated. Manual control is still necessary for specific applications such as video projections. Heating control also plays an important role in both comfort and energy saving. Ultimately, air quality is essential for concentration and therefore ventilation must be managed.



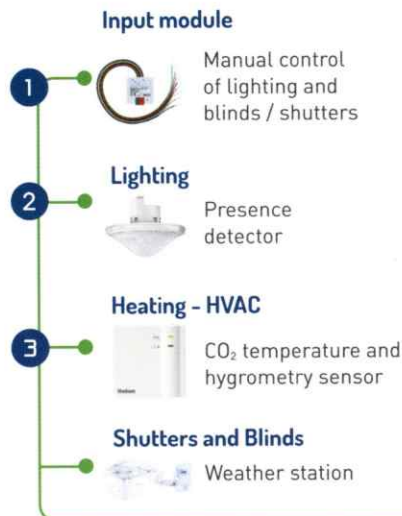
Benefits

- Energy efficiency in automatic mode.
- System flexibility using manual mode if necessary.
- Optimal comfort for students and teachers.

Solutions

- Management of 3 different lighting circuits, 2 of which are managed automatically by presence detection (Corridor, and Windows).
- Management of blinds according to the position of the sun and room occupancy.
- Temperature control according to presence and school holidays.
- A KNX CO₂ sensor permanently measures air quality and automatically regulates ventilation.
- Manual control of lighting and blinds is possible using pushbuttons.

Sensors



Actuators

