enocean alliance
No Wires. No Batteries. No Limits.

Use Case Residential Building

Batteryless wireless switches control light and shading

Batteryless wireless switches perform remote-control functions

Occupancy sensors trigger lighting and climate control systems

Wireless connectors control and monitor household appliances

Networked smoke sensors set off fire alarms to trigger emergency response

Batteryless wireless window contacts monitor window status

Batteryless wireless door/window handles monitor door/window status

Batteryless wireless control units allow for optimal climate conditions and maximum operating comfort

Wireless actuators control radiators, room controllers govern underfloor heating

Sunblind actuators control the sunshade elements

Use Case Residential Building

And these are the benefits for

Architects

- Maintenance-free, interoperable wireless sensors
- Freely positionable products which can be placed on glass, stone, wood or furniture as required
- Flexible room configuration

Specifiers

- Simplified planning and high flexibility through freely positionable devices
- Interoperable products
- Compatibility with other building automation systems (KNX, LON, BACnet, TCP/IP)

System integrators / Contractors

- Speedy, flexible installation & system start-up

Investors / Property Owners

- Simple retrofit
- Reduced cost of installation and operation
- Flexible space planning and easy restructuring
- High energy savings
- Interoperable and scalable standard solutions
- All-encompassing solutions

Facility users

- Increased safety levels
- Enhanced comfort
- Simple retrofit
- Freely positionable products
- Cost-effective SmartHome solutions
- No cabling, no drilling, no noise/dust/dirt

References

Empowerhouse, Washington D.C. (USA)

B10 Active House (Germany)

Shanghai Villa (China)

Weberhaus (Germany)