

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



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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)