Batteryless wireless switches control lighting and shading

Batteryless wireless switches perform remote-control functions

Occupancy sensors trigger lighting and climate control systems

Batteryless light sensors optimize illumination

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 and maximum comfort

Wireless thermostat valves adjust radiator temperature

Sunblind actuators control the sun-shade elements

Sensors in sitting furniture switch off appliances in unoccupied spaces
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 without downtime
- No cabling, no drilling, no noise/dust/dirt
- Simple retrofit during undisturbed operation

Investors / Property Owners
- Reduced cost of installation and operation
- Flexible space planning and easy restructuring
- Rapid, need-based space conversion enables fast tenant turnaround times
- High energy savings
- Higher productivity

Facility Managers
- Flexibility, no maintenance needed
- Optimized servicing
- Effective manpower use
- Increased safety levels
- Faster reaction to system faults
- Interoperable and scalable standard solutions

Facility users
- Enhanced comfort and productivity
- Pleasant workplace atmosphere

References

Schneider Electric R&D facility, Montreal (Canada)
NYC Department of Sanitation (USA)
Vossloh-Schwabe Shanghai office (China)
ADAC Headquarters Munich (Germany)