

Use Case Ambient Assisted Living (AAL)



Batteryless wireless switches control lighting and shading



Batteryless remote controls for diverse functions, or as emergency alarm



Occupancy sensors automatically monitor and report movement



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



Sunblind actuators control the sunshade elements



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



Wireless actuators control radiators, room controllers govern underfloor heating



Sensors in armchairs and mattresses detect and report occupancy



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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
- No cabling, no drilling, no noise/dust/dirt

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

Facility users

- Enhanced comfort and more security in the home
- Freely positionable and retrofittable products e.g. emergency button, armchair & mattress sensor
- Low-cost AAL solution
- Simple retrofit
- The elderly can remain in familiar surroundings, at home, for a longer time

References



Meditec, Colmar (France)