

MotionIQ

# Creating efficiency through intelligent door technology

## Redesigning access



**Buildings must always be planned more efficiently and designed more sustainably. MotionIQ is the intelligent automatic door system that not only leads to an optimised energy balance, it also facilitates barrier-free access and optimises the safe use of automatic doors.**

**Planning improved flows of people**  
The principle is as simple as it is intelligent: MotionIQ determines the movement vector and calculates the ideal opening point as well as the hold-open time. In this way, the automatic door system saves up to 50% CO<sub>2</sub> emissions. In addition to easier and barrier-free access, the flow of people is also improved and the risk of bumping into the door is reduced. At the same time, fewer reopenings result in a longer service life, which further increases sustainability.

**Intelligence makes the difference**  
To calculate the perfect opening and hold-open times, a field of up to 10 metres in the door area is covered with a virtual net. As soon as a person enters this detection area, MotionIQ measures the distance, speed and angle and calculates a movement vector. If an intention to enter is detected, MotionIQ determines the optimal opening point as well as the hold-open time for the person passing through. And since no manual co-ordination of sensor and drive is necessary, commissioning is also quick and cost-efficient.

# Intelligent. Sustainable. Efficient: MotionIQ.

Automatically clever: MotionIQ simplifies planning and helps architects realise sustainable building visions.



## Advantages for planners and architects



### Designing sustainable entrances

The door opens just in time and stays open only as long as necessary, reducing energy losses by up to 50%.



### Optimised flow of people

Whether approaching quickly or slowly – the door movement is always oriented to the approach speed.



### Longer service life

Fewer reopenings reduce the mechanical wear of the door.



### Simple planning and installation

The system is set up automatically and the operator adapts to the operating conditions.



### Improved safety of use

As the door movement occurs at a safe distance from the person, the risk of bumping is reduced.



### A complete solution for automatic doors

The intelligent system can be used in combination with the established ED 100/ED 250 swing door operators.

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**Any questions? We would be happy to advise you.**

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