

MotionIQ

Making access more sustainable

Energy saving through resource-saving technology



People pass through doors at different speeds. And because conventional door systems are set to a specific opening time, energy consumption and wear and tear increase unnecessarily. MotionIQ is the intelligent door system that automatically adjusts to movement patterns and ensures greater efficiency and sustainability at a lower cost.

Door adjusts, energy saved

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% on CO₂ emissions.* In addition to easier and barrier-free access, the flow of people is also improved and the risk of collision with the door is reduced. At the same time, fewer re-openings result in a longer service life, which further increases sustainability.

Intelligence makes the difference

To calculate the perfect opening moment and hold-open time, a field of up to 10 metres in the door area is covered with a virtual net. As soon as someone 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.

Intelligent. Sustainable. Efficient: MotionIQ.

Automatically sustainable: MotionIQ is the intelligent motion detection system for energy-efficient opening and closing of doors.



Benefits for building owners and investors



Maximum sustainability

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



Longer service life

Fewer reopenings reduce mechanical wear and tear on the door.



Efficient operation

The set-up is automatic and the operator adapts to the operating conditions.



Improved user safety

The door operates at a safe distance from the person, reducing the risk of collision.



Lower total cost of ownership (TCO)

Since a door opening is only triggered when there is an actual intention to enter, the number of door openings and the associated operating costs can be reduced to a minimum.



Complete solutions for automatic doors

Single or double-leaf doors equipped with ED 100/250 series swing door operators can be easily upgraded.

*Detailed information on calculating the potential energy savings can be found here. www.dk.world/report-motionIQ

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Any questions? We would be happy to advise you.

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