

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 CO<sub>2</sub> 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.

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

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