Intelligent. Efficient. Sustainable.
MotionIQ – the new intelligent automatic door system

Intelligent
MotionIQ – the new, intelligent automatic door system not only leads to an improved environmental footprint, it also facilitates barrier-free access to the building and improves the safe use of automatic doors. Based on the approach speed, the arrival time at the door is determined in advance so it opens in time. This prevents any contact with the door leaf and improves the flow of people.

Efficient
During initial set-up, manual calibration of the sensor's detection field with the drive's parameters is no longer necessary. Readjustments are also avoided, as the intelligent MotionIQ technology allows the door system to adapt automatically to the environment and operating conditions. This enables uncomplicated and fast commissioning. As a result of the optimised opening, collisions with the door are avoided as much as possible, leading to lower maintenance requirements and thus costs.

Sustainable
People pass through doors at different speeds. Conventional automatic door systems, however, always open instantly when a person is detected and usually remain open longer than necessary.
On the other hand, the new, intelligent automatic door system MotionIQ reacts individually to people and controls the opening time according to the speed of movement. This significantly improves a building's energy balance, making it more efficient and sustainable while also reducing operating costs.

Advantages with MotionIQ

- Reduced heating/cooling energy consumption due to open doors
- Reduction of $C0_2$ emissions
- Easier installation and commissioning
- Improved safety of use
- Extended operational life of the door system

Door moves. Energy saved. MotionIQ.

The door system with MotionIQ technology is unique and combines technology with user needs. Based on the motion vector of the approaching person, the optimal opening time and hold-open time of the door is determined individually. The system can even detect two people simultaneously.

Conserve energy when passing through the door

No matter the movement, the door system reacts accurately and contributes to energy savings in buildings by opening and closing the door as needed.

Slow pass-through:
The door opens just-in-time and the door stays open only as long as necessary.

Swift pass-through:
Door movement adapts to the speed of passers-by.

Lingering:
The system detects when people just want to linger near the door and only opens the door once an intention to enter is detected.

So durable and intelligent:
By opening and closing in line with use reduces the mechanical stress by avoiding unnecessary cycles. By using MotionIQ technology, the operational lifespan of automatic doors can be extended.

So compatible and flexible:
MotionIQ is available or can be easily upgraded for single or double-leaf doors that are equipped with swing door operators from the **ED 100/ED 250*** series, as well as for our sliding doors that are equipped with an **ES PROLINE FST operator**.

*For older operators, a firmware update may be required.

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

Any questions? We would be happy to advise you.

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