

FOR SMOOTHER FLOW OF PEOPLE AND GOODS

# KONE energy efficient sliding door solution

Buildings account for about 40% of global energy consumption. A large part of this energy is for heating and cooling the building, of which a significant portion is lost when people come through the door.

## Reduced energy loss from the building

The KONE energy efficient sliding door solution can reduce the loss of warm or cool air, compared to a standard sliding door. When it is cold or hot outside, the door's opening width and duration of opening are reduced, therefore decreasing the amount of warm or cool air lost from the building.

## Increased comfort in the lobby

The solution also makes it more comfortable for people sitting in the lobby of a hotel or office building, since it reduces the amount of noise as well as wind and dust blowing in.

## How it works

The KONE energy efficient sliding door solution has a temperature sensor outside the building, near the door operator. This can be programmed so that if the outside temperature is below 15°C or above 25°C, for example, the door switches to energy-saving mode and the width of the door opening is reduced, for example to 80% of full opening. The unit also adjusts the duration of door opening and the speed of door closing, while complying with safety norms and regulations with proper risk assessments.

The door is equipped with a software module that detects if a larger number of people are passing through the door, opening it to its full width when

## KEY BENEFITS

- Saves heating and ventilation costs
- Savings can amount to 2000 - 4000 kWh per year
- Increased comfort in the building with less temperature variation
- Reduced noise and dust
- Can be retrofitted on any type of sliding door

needed, to ensure a smooth flow of people at all times. The KONE energy efficient sliding door solution can also be equipped with an optional wind speed meter so that when the wind speed reaches a defined level the opening of the door will be reduced. The solution can also be used with sequential sliding doors to adjust the opening times and widths of both doors.



### Safety features

The solution is equipped with several safety features, such as a photo cell mounted in the door opening to ensure that objects and people do not get trapped in the door. The highly sensitive reverse settings in both the opening and closing directions ensure that objects such as shopping carts do not get trapped in the opening. The finger trap safety feature prevents fingers from getting stuck.

### New doors or retrofits

The KONE energy efficient sliding door solution works together with the KONE UniDrive® operator, a universal solution capable of controlling sliding doors from KONE as well as other manufacturers. The energy efficient door solution can be selected as a feature for a new KONE door or as part of a retrofit solution together with the KONE UniDrive operator. With this modernization solution you can be assured that your door complies with the latest safety, durability and efficiency standards, while saving a significant amount of energy. The typical payback time for this retrofit solution is about one year, based on energy savings.

### Quality and service

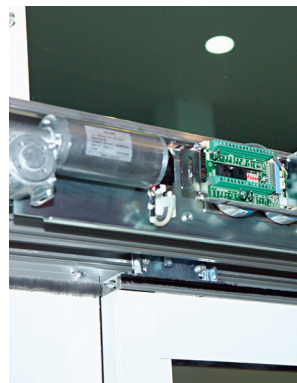
When you choose KONE products, you get the highest standards in quality, safety, design and durability. KONE door solutions are based on quality materials and expertise achieved during 35 years of experience. These products meet all international CE safety standards, and are TÜV approved. KONE doors business operations and products are certified for the ISO 9001 quality management system and the ISO 14001 environmental management system.

### APPLICATION

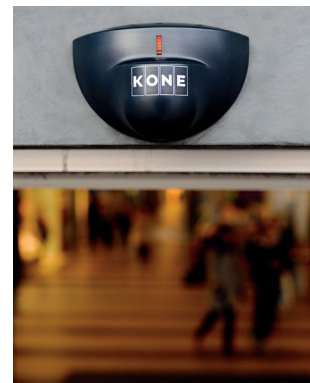
- For use with new automatic sliding doors or as a retrofit for other brands' sliding doors
- Single and double sliding doors, also sequential sliding doors
- Works together with the KONE UniDrive® door operator

### COMPONENTS AND OPTIONS

- Software module included in KONE UniDrive door operator
- Thermometer
- Sensors
- Optional wind speed meter



*KONE UniDrive® door operator*



*Sensor*



*Thermometer*



*Wind speed meter (optional)*

For more information go to [KONE.com.au](http://KONE.com.au)  
or call 1300 362 022