



# ERTAIN 4

OPERATOR FOR

**AUTOMATIC SLIDING DOORS**

The **ERTAIN 4** operator is suitable for frameless and framed doors up to 140kg per leaf, and clear opening width up to 3000mm.

It is adaptable to all types of door frame profiles, up to a width of 50mm, and designed for a heavy traffic flow.

The **ERTAIN 4** is a modular slider, with a motorisation system of a length of 870mm, including aluminium support and cover, DUNKER gearmotor, control board, power supply and emergency battery pack. Its versatility allows to fit single and bi-parting leaf doors of different passage widths.

The **ERTAIN 4** system is preassembled and pretested, making it quick and easy to install by one person. Just fix the support profile, hang the leaves, adjust the drive unit, connect the sensors, electrolocks or other devices, and the system will be ready to use.

**Safety:** Designed in compliance with the safety standards EN16005

**Durability:** 3 million cycles tested at an accredited laboratory

**Movement:** Silent and dynamic movement on opening and on closing

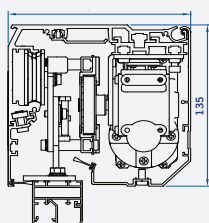
**Use:** Intensive

**Encoder:** Precise control of the door positioning

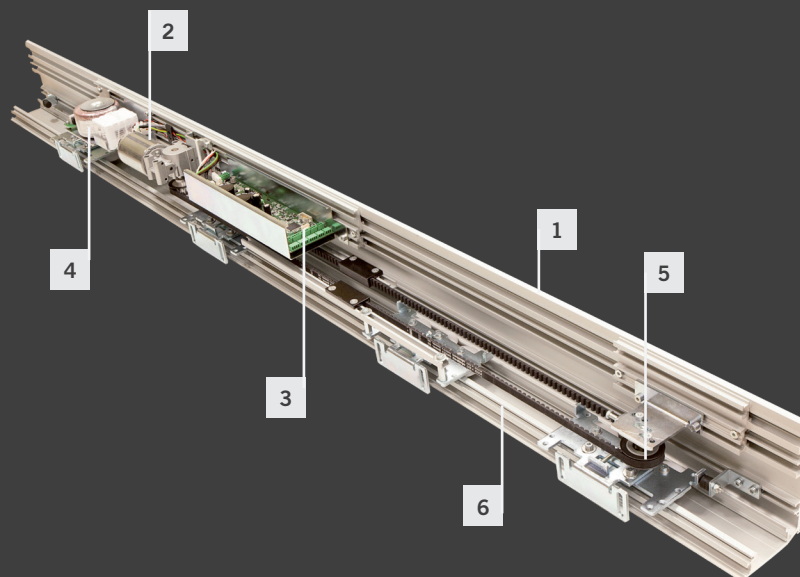
The **ERTAIN 4** operator includes:

- 1 Support operator profile
- 2 Dunker gearmotor
- 3 Control board
- 4 Power supply and battery
- 5 Tensor pulley
- 6 Endless toothed belt

**ERTAIN 4 aluminium profile:**



Available lengths: 2050mm, 3050mm, 4100mm, 6100mm



## ERTAIN 4 ADVANTAGES

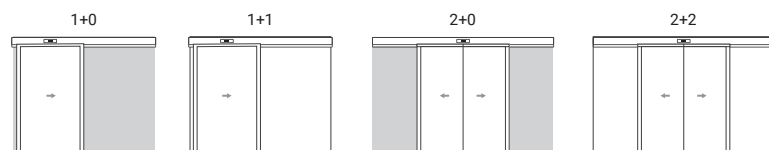
- **Motor:** Permanent magnet motor of 40Vdc.
- **Carriers:** Strong, adjustable and made up of three interchangeable 52mm POM wheels.  
The central wheel prevents possible derailments due to impacts.
- **Belt:** Neoprene with a fiberglass core HTD 8m (8mm tooth pitch).
- **Controller:** Closed loop PID control which allows a precise movement control. It monitors the motor's intensity & temperature, battery's voltage & charge level, the electromagnetic lock position and the safety sensors. Motor force control system with obstacle detection for users' safety. Same controller for all Erreka sliding door operators.
- **Battery:** Panic break-out system in case of a power supply failure.

## TECHNICAL FEATURES

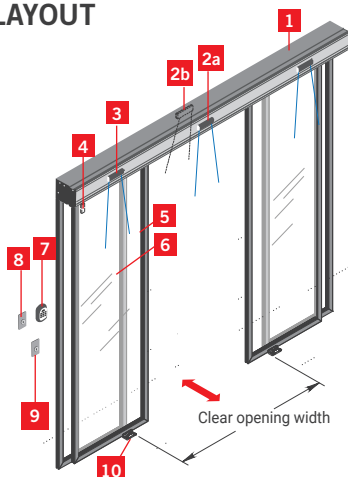
|                              | Single leaf door<br>(1 moving leaf) | Bi-parting double<br>leaf door (2<br>moving leaves) |
|------------------------------|-------------------------------------|---|
| Free passage width (Min-Max) | 700-3000mm                          | 1000-3000mm   |
| Max. leaf weight             | 140kg                               | 100kg , 100kg                                       |
| Max. Leaf width              | 3050mm                              | 1550mm  |
| Min. Leaf width              | 750mm                               | 550mm   |
| Max. leaf height             | 2500mm**                            |   |
| Opening speed (Min-Max)      | 0,2m/s - 0,7m/sec                   | 0,4m/s - 1,4m/sec                                   |
| Closing speed (Min-Max)      | 0,1m/s - 0,5m/sec                   | 0,2m/s - 1m/sec                                     |
| Power supply                 | E4 870, 230V - 50/60Hz              |   |
| Motor power supply           | 40Vdc                               |   |
| Operator max. consumption    | 100W                                |   |
| Batteries                    | 24V Ni-Cd (800 mA)                  |   |
| Relative humidity            | 10% to 90% without condensation     |   |
| Operating temperature        | - 20°C / +50°C                      |   |
| Use                          | Intensive                           |   |
| IP - Protection class        | IP20                                |   |

\*\*Note: Larger leaf heights might be available on request, based upon shopfront's dimensional study results.

## DOOR CONFIGURATIONS



## INSTALLATION LAYOUT



## ACCESSORIES

### PROGRAMMER SELECTOR

#### DIG SEL01

Digital CAN selector  
(Settings and working modes)



#### ROT SEL01

Mechanical CAN selector  
(Working modes)



### ELECTROMAGNETIC LOCKS

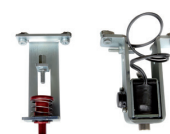
#### FAILSAFE

Operator lock  
(Unlocked in case of blackout)



#### FAILSECURE

Operator lock  
(Locked in case of blackout)



### KEY SWITCHES

#### LSESU-002

Switch key lock  
(surface mounted)



#### ZSEG10

Switch key lock  
(flush mounted)



### SENSORS

#### RAD17

Infrared sensor with door learn  
technology, activation and safety  
functions.  
Uni-directional and EN16005 compliant.



#### RAD12

Infrared and microwave sensor  
with door learn technology, activation  
and safety functions.  
Uni-directional and EN16005 compliant.



**RAD9** Microwave sensor  
(activation). Bidirectional



**PUL06** Touchless microwave  
sensor (activation)



- 1 Operator
- 2a Internal sensor (activation and safety)
- 2b External sensor (activation and safety)
- 3 Side screen safety sensor
- 4 Indoor manual release (FAILSECURE lock)
- 5 Moving leaf
- 6 Fixed leaf
- 7 Digital CAN selector (DIG SEL01)
- 8 Mechanical CAN selector (ROT SEL01)
- 9 Exterior key switch
- 10 Floor guide