**ES 200 Easy** – the drive for individual door design

**Door variants with ES 200 Easy, 100 mm height**

- With MANET single point fixings
- With fine frame profiles G glass clamping rail
- With fine frame profiles G upper door clamping rail
- With insulated glass profiles G-Iso
- With standard frame profiles

The door variants on this page are shown as corridor installation with LM rail. See page 4 for profiles for wall fixing.

**Door variants with ES 200 Easy, 150 mm height and special version “heat insulated profile R-Thermo”**

- With MANET single point fixings
- With fine frame profiles G glass clamping rail
- With fine frame profiles G upper door clamping rail
- With insulated glass profiles G-Iso
- With standard frame profiles
- With heat insulated standard frame profiles
Flexible, simple and modular

It is time to rethink sliding door operators. The new ES 200 Easy in the attractive DORMA design stands for simple automation of sliding door units in all areas of application. It is the innovative drive system for door units up to 2 x 85 kg, is of modular construction with world-wide tried and trusted electronics and new mechanics comprising only a few components and can be used for both 100 and 150 mm height. The prefabricated Mini-Drive-Unit is also impressive; it is tested industrially with all the necessary electrical and electronic components. The optimum solution for all customers who value simply assembly, low storage costs and ease of maintenance.

High quality, excellent cost-effectiveness
DORMA offers a particularly cost-effective sliding door operator in the tried and trusted DORMA quality with the new ES 200 Easy. The basic version of the ES 200 sliding door operator is suitable for vastly differing applications and can be combined with all customary door profiles. It offers a number of adjustment possibilities, has excellent operation characteristics and is easy to maintain.

The self-learning microprocessor controller guarantees reliable operation, ensures dynamic and smooth movements and fulfils the highest safety requirements according to all European and German standards.

The setting of all parameters is carried out quickly and easily via an integrated display with push-buttons. Operation is extremely simply and menu-assisted. Additional programming equipment is not required.

### Features and advantages at a glance:
- Modular, flexible system
- For door units up to 2 x 85 kg
- Problem-free adaptation to individual requirements
- Low number of system components
- Industrially prefabricated and tested Mini-Drive-Unit
- Easy assembly of drive systems
- Multi-functional control, commissioning without programming equipment
- Easy fixing and commissioning
- Can be combined with all customary door profiles
- Reliable function and high safety standards
- Smooth movement
- Complete program at program switches
- Numerous standard connections
- Reliable investment due to compliance with all relevant European standards

### Door parameters

<table>
<thead>
<tr>
<th></th>
<th>ES 200 Easy</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-panel sliding door</td>
<td>700 – 3000 mm</td>
</tr>
<tr>
<td>– Transit width LW</td>
<td>1 x 100 kg</td>
</tr>
<tr>
<td>2-panel sliding door</td>
<td>800 – 3000 mm</td>
</tr>
<tr>
<td>– Transit width LW</td>
<td>2 x 85 kg</td>
</tr>
</tbody>
</table>

### Technical data

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>100 und 150 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>180 mm</td>
</tr>
<tr>
<td>Opening and closing force max. 150 N</td>
<td>●</td>
</tr>
<tr>
<td>Opening speed (incremental setting)</td>
<td>10 – 50 cm/s</td>
</tr>
<tr>
<td>Closing speed (incremental setting)</td>
<td>10 – 40 cm/s</td>
</tr>
<tr>
<td>Hold-open time</td>
<td>0,5 – 30 sec.</td>
</tr>
<tr>
<td>Mains voltage, frequency</td>
<td>230 V, 50/60 Hz</td>
</tr>
<tr>
<td>Power consumption</td>
<td>180 W</td>
</tr>
<tr>
<td>International protection</td>
<td>IP 20</td>
</tr>
<tr>
<td>Tested according to</td>
<td>low-voltage guidelines ●</td>
</tr>
<tr>
<td>Manufacture according to</td>
<td>ISO 9001:2000</td>
</tr>
</tbody>
</table>

### Control unit

- Microprocessor controller ●
- Functional programs
  - Off ●
  - Automatic ●
  - Partial open ●
  - Exit only ●
  - Night-bank switch ●
- Emergency off ●
- Self-learning ●
- Automatic reversing ●
- Connection for bistable electro-mechanical locking ●
- Connection for light barriers (max. 2 pairs) ●
- Setting of basic parameters via integrated display and push-buttons ●
- Emergency opening or closing (with use of battery pack) ●
- 24 V output for external consumption ●
- Read-out error store with error codes ●

### Additional equipment

- Electro-mechanical locking (bistable) ○
- Manual unlocking for electro-mechanical locking ○
- Light barriers ○
- Battery pack (emergency opening, emergency closing) ○
- Emergency power module USV ○
- Module for coupling to EIB buildings control systems ○
Profile for 100 mm and 150 mm height, for corridor or wall fixing guarantees adaptation for all possible applications.

The mechanical basic system, with a low number of components, is the same for both heights.

1. LM rail
2. Basic drive profile
3. Interior cover in 100 or 150 mm height
4. Wall fixing profile
5. Service cover holder
The heart of the ES 200 Easy: the prefabricated Mini-Drive-Unit with all the electrical components necessary is industrially tested and facilitates the assembly and maintenance of drive units.

The control system is based on the tried and trusted EC2 system which has proven itself thousands of times world-wide in all possible applications.

**Components**

1. Mini-Drive-Unit
2. Transformer
3. Motor
4. Decoder
5. Control unit EC2
6. Run and installation profile
7. Battery pack (optional)
8. Carriage
9. Deflection roller
10. Service cover holder
11. End stopper
12. Door suspension with adjustment device
13. Belt connection
Program switch to select the operating mode of DORMA automatic doors.
- Up to 5 different functions:
  Off, Automatic, Exit, Partial open, Permanent open
- Electronic program switch in design system 55 for the highest aesthetic demands
- Material variants for frames from polished steel, abrasive blasted silk-mat stainless steel, aluminium and brass to glass, ebony or terracotta

Push-button and switch:
Electric, pneumatic or by radio.
- To open and close DORMA automatic doors
- Via key or manually by switch or touch
- For a variety of installation situations: flush or surface mounted or in the case

The widely diversified automatic system accessories from DORMA are complemented by further components which are specially matched to various safety measures.

Light barriers
- According to the counter-light principle
- Additional securing of locking area, installation 200 and 1000 mm above floor level

Door profiles
DORMA supplies door profile for doors in full-glass and for framed doors as the optimum addition to the ES 200 Easy.
MANET single point fixings and a glass clamping strip complement the program.

System accessories

Radar motion detectors
- Directional sensitive, standard version
- Directional non-sensitive
- Radar detector for any combination
- No effect on pacemakers due to the low output, approx. 2 mW

1 Fine frame profile system G
2 Insulated glass profile system G-Iso
3 Standard frame profile

Program switch system 55

Push-button switch

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Program switch system 55

Push-button switch

Light barriers
- According to the counter-light principle
- Additional securing of locking area, installation 200 and 1000 mm above floor level
Automatic sliding door operator for
( ) 1-panel ( ) 2-panel sliding door
( ) 150 mm height ( ) 100 mm height

Dimensions (H x T): 150/100 x 180 mm.
Microprocessor control, self-learning, reversing when obstruction is encountered.

Transit width:
1-panel 700 – 3000 mm
2-panel 800 – 3000 mm

Door weight:
1-panel max. 1 x 100 kg
2-panel max. 2 x 85 kg

Function programs:
Off, Automatic, Permanent open, Exit only, Partial open, Night-bank switch, Emergency off. Basic parameter of door adjustable via integrated display and push-buttons. Choice between emergency opening and emergency closing in the event of a power cut (with optional battery pack).

Produced according to the guidelines for power-operated windows, doors and gates BGR 232, the UVV and the VDE regulations.TÜV design tested, tested according to the low-voltage guidelines, production according to ISO 9001:2000 certification. Fulfils the DIN V18650 (prEN 12650).

Connection:
230 V, 50/60 Hz

Switch, push-button:
( ) Program switch:
( ) external concealed/flush-mounted
( ) external surface-mounted
( ) internal
( ) lockable

( ) Emergency off push-button installation:
( ) external concealed/flush-mounted
( ) external surface-mounted
( ) internal
( ) double socket external
( ) under glass

Additional equipment:
( ) Battery pack, fitted in transom, for emergency opening or emergency closing

Pulse sender:
( ) Radar system
( ) directional sensitive ................. pcs.
( ) non-directional sensitive ............. pcs.
( ) other .......................................... pcs.

( ) Light barriers, comprising receiver and transmitter (only 3-wire technology) ............. pcs.

Locking:
( ) electro-mechanical locking, bistable
( ) door status detector, locking detector
( ) manual unlocking

Colour light alloy parts:
( ) silver, anodised E6/C0
( ) RAL .....................

Drive unit dimensions:
Total length B ................. mm
Transit width LW ................. mm

Make:
DORMA ES 200 Easy