

TORMAX iMotion 2302 – Sliding Door Drive



iMotion®
the passion to drive doors



intelligent



modular



ecological



reliable



economical

« The **dynamic** sliding door drive for demanding and durable applications. When **elegance** and **peak performance** combine. »

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Product Information

TORMAX iMotion 2302 – Sliding Door Drive



Area of application

- Automatic sliding doors with dynamic movement characteristics for pedestrian passageways
- Internal and external doors, including in noise-sensitive areas
- Linear doors with 1 or 2 sliding leaves, with or without lateral parts
- Telescope doors for narrow passageways
- Air locks or porches
- Rescue and escape routes
- High user frequency

Functionality

- 6 operating modes (automatic, reduced opening width, exit, permanently open, off, manual operation)
- Adjustable opening and closing speeds
- Adjustable hold-open times
- Time or step control
- 8 programmable inputs, of which 4 testable inputs for safety features, can be extended in modules
- 3 programmable outputs, can be extended in modules
- Interfaces LIN, RS232

Safety features

- Connection facilities for sensors
- Monitored adjustable power limitation
- Adjustable sensitivity when reversing
- Adjustable for low-energy

Technology

- Electro-mechanical sliding door drive
- Gearless AC synchronous motor, silent, efficient, durable
- Modular, programmable iMotion control with comprehensive monitoring and diagnostic functions, performance level D

Accessories

- Electro-mechanical lock
- Key switch
- Mechanical emergency opening
- Battery module for emergency operation
- Supplementary retaining brake
- Speed control when unpowered
- In-/output modules
- Network module
- Auxiliary kit 2302.R for electro-mechanical emergency opening in escape routes

Dimensions

- Installation height 150 mm, depth 166 mm

Door data

- Door opening widths: 700 – 3000 mm
- 1 × 200 kg, 2 × 180 kg
- 1 × 150 kg, 2 × 130 kg (rescue and escape routes)

Mains connection

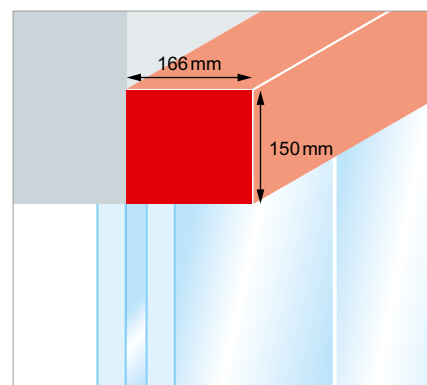
- 230 VAC 50/60 Hz

Power consumption

- 8...190 W

Approvals (directives, standards)

- CE (2006/95/EC, 2004/108/EC, 2006/42/EC)
- TÜV (EN 16005, 1 million cycles with 4000 cycles per day)
- RoHS



Cross-section



Opening Doors Worldwide!

Sliding Door Drive
SLIDEDOOR Win Drive 2201



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The Ingenious Sliding Door Drive

The TORMAX SLIDEDOOR Win Drive 2201 offers more than just a normal drive. Its design not only takes into account aesthetic considerations but also what installers and service technicians desire (Plug & Play). This timeless device combines both force and intelligence and is very easy to handle.

With its numerous options and special functions you can arrange and tune your door to meet your particular needs. Programming is conducted quite simply and directly on the control unit eliminating the need of an additional programming device. The unique attachment system (patent pending) enables installation of additional components within seconds. The small dimensions not only allow the drive to be fitted into narrow spaces but also lead to less expenditure on materials and make it visually very attractive.

The TORMAX SLIDEDOOR Win Drive 2201 is the elegant and straightforward drive in first-class TORMAX quality, which makes you a winner all round.

Application

- Sliding doors in commercial, private and public buildings
- Suitable for interior and exterior doors

Advantages

- **Plug & Play:** the simplest method of installation and commissioning.
1 x 1 x 1: 1 man, 1 day, 1 set of tools
- Its height of only 100 mm enables architecturally sound and demanding solutions
- Programming and setting parameters directly on the control unit – numerous special functions
- Door movements can be optimised in both the opening and closing direction
- Fault diagnosis on the control panel and directly on the control unit
- Maintenance friendly thanks to easy accessible components (only one size of screws)

Special functions

- Emergency opening and closing function
- Display of operation hours, opening cycles and fault recording
- System messages (door status, lock status, faults, etc.)
- Bell and light activation
- Manual operation for servicing and cleaning purposes

Accessories / Options

- TORMAX control panel with 5 operating modes and fault display
- Mode selector covering 3 operating modes
- Battery-powered emergency opening / emergency power supply
- Emergency opening with spring force
- Electro-mechanical locking with status monitoring
- Interior and exterior manual disengagement
- Elegant telescopic applications (cross-section 100 x 204 mm)

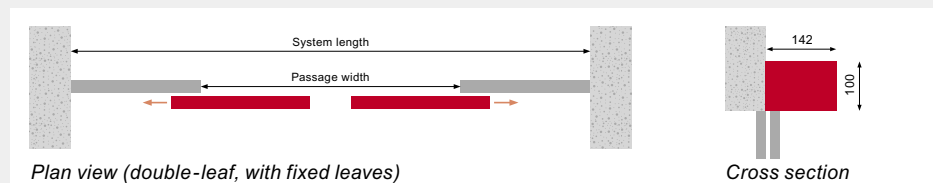
Technical data

System length	min. 1796 mm
Passage width	800 – 1500 mm* 800 – 2000 mm**
Header cross-section (H x T)	100 x 142 mm 100 x 204 mm (Tel.)
Max. leaf weight ***	≤ 1 x 120 kg* ≤ 2 x 100 kg**
Opening speed****	8 – 80 cm/s* 16 – 160 cm/s**
Hold-open time	0,5 – 120 s
Power connection	115 V AC / 60 Hz or 230 V AC / 50 Hz, 160 V A
Sensor and lock supply	24 V DC / 1,0 A
Protection class	IP20
Operating modes	Off / Auto / Auto reduced opening / Exit / Open
7 Inputs	Activators (2) Key switch (1), Safety devices (2) Programmable inputs (2)
3 Outputs	Electric lock controls (2), programmable output (1)
Motion control	freely adjustable
Ambient temperature	–20 °C to 50 °C

*Single-leaf **Double-leaf ***Higher weights possible (slow speed, little activation only) **** max. speeds dependent upon the weight of the leaf and the prevailing regulations

Standards

- CE conformity
- ISO certified
- prEN 12650, DIN V 18650
- EN 292-1, EN 292-2, EN 60335-1, EN-61000-6-2, EN 61000-6-3



Plan view (double-leaf, with fixed leaves)

Cross section

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Opening Doors Worldwide!

Sliding Door Drive
SLIDEDOOR Win Drive 2201 Frameless



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For more information on TORMAX visit www.barbourproductsearch.info



Absolute transparency in the entrance area

All-glass sliding doors for the most challenging design and aesthetic applications are now possible with the Win Drive 2201 frameless mounting kit.

The black anodised suspension system completely disappears into the drive unit cover (100 mm installation height).

The stylish transparency of the all-glass solution creates a totally new sensation of space in the door area.



Application

- All-glass sliding doors in commercial, private and public buildings
- Modern architecture indoors and outdoors

Advantages

- Complete transparency in the door area
- No visible obstructions created by profiles
- Supports innovative building design
- Meets the most stringent architectural demands for ambitious projects
- The frameless mounting kit is based on the proven Win Drive 2201 sliding door drive
- The sliding door drive requires an installation height of only 100 mm

Special functions

- Adjustable force
- Emergency opening and closing function
- Display of operation hours, opening cycles and fault recording
- System messages (door status, lock status, faults etc.)
- Bell and light activation
- Manual operation for servicing and cleaning purposes

Accessories/Options

- TORMAX control panel with 5 operating modes and fault display
- Mode selector covering 3 operating modes
- Battery-powered emergency opening / emergency power supply
- Emergency opening with spring force or rubber string
- Electro-mechanical locking with status monitoring
- Interior and exterior manual disengagement

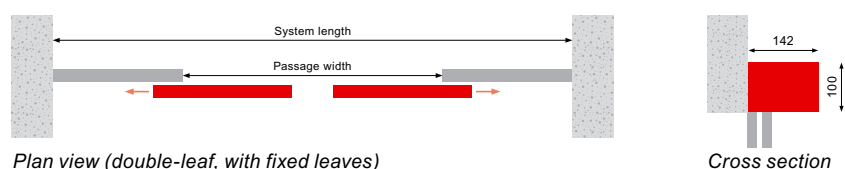
Standards

- CE conformity
- ISO certified
- EN 12100-1, EN 12100-2, EN 60335-1, EN-61000-6-2, EN 61000-6-3

Technical data

System length	min. 1706 mm ¹ min. 1766 mm ²
Passage width	800–2200 mm ¹ 800–2900 mm ²
Passage height	max. 2700 mm
Header cross-section (H × T)	100 × 142 mm
Max. leaf weight ³	≤ 1 × 120 kg ¹ ≤ 2 × 100 kg ²
Leaf width ratio (B:H)	min. 1:5
Opening speed ⁴	0–60 cm/s ¹ 16–160 cm/s ²
Hold-open time	0,5–120 s
Power connection	115 VAC/60 Hz or 230 VAC/50 Hz, 160 VA
Sensor supply Lock supply	24 VDC / 1,0 A 12 VDC
Protection class	IP20
Operating modes	Off / Auto / Auto reduced opening / Exit / Open
7 Inputs	activators (2), key switch (1), safety devices (2), programmable inputs (2)
3 Outputs	electric lock controls (2), programmable output (1)
Courses of motion and power	freely adjustable
Ambient temperature	–20 °C to 50 °C
Glass	10 mm or 12 mm toughened safety glass (laminated sa- fety glass, LSG)

¹Single-leaf ²Double-leaf ³Higher weights possible (slow speed, little activation only) ⁴ max. speeds dependent upon the weight of the leaf and the prevailing regulations



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