

TORMAX iMotion 2401 – Sliding Door Drive



iMotion®
the passion to drive doors



intelligent



modular



ecological



reliable



economical

« This drive is the **power pack** of the sliding door drives. Even when working with the heaviest door leaf, it impresses with powerful but gentle movements. The drive is perfectly suited for **spacious entrance areas** with high traffic levels, for example in airports, stations and supermarkets.»

★★★★★
TORMAX
AUTOMATIC

TORMAX iMotion 2401

Sliding Door Drive



Areas of application	external and internal doors – very high door leaf weights – high traffic levels
Versions	– linear – curved – IP65/IP68 – telescope – RER
Options	– operating unit with 6 operating modes – electro-mechanical lock – four-point lock – magnetical interlock – electrical emergency operation – mechanical emergency opening – air lock/porch wind screen function – step control – emergency closing
Drive type	electromechanical
Motor	AC gearless synchronous motor, ext. rotor
Control system	control system 2401 MCU32
Mains connection	1 × 230/1 × 115 VAC, 50 ... 60 Hz, 10 A
Power consumption	8 ... 310 W
Inputs	8 programmable inputs, of which 4 testable safety features, expandable by modules
Outputs	3 programmable outputs, expandable by modules
Sensor power supply	24 V DC
Safety facilities	the necessary sensors can be connected, monitored force limitation
Interfaces	LIN Bus, CAN Bus, RS232
Approvals	CE incl. RoHS, TÜV, ETL
Standards	DIN 18650/EN 16005, EN 13849-1, EN IEC 60335-1, EN 61000-6-2, EN 61000-6-3, UL 325
Durability	class 3 to DIN 18650-1: 2010
Protective class (drive)	IP 22
Ambient temperature	–4 °F to +122 °F (–20 °C to +50 °C)

Dimensions	
Cross-section of header profile (H × D)	7 7/8 × 7 1/4" (200 × 185 mm)
Cross-section of header profile telescopic (H × D)	7 7/8 × 10 13/16" (200 × 275 mm)
System length, single-leaf	min. 64 9/16" (1640 mm)
System length, double-leaf	min. 89 3/4" (2280 mm)
System length, telescopic, double-leaf (opening on the left)	min. 50" (1270 mm)
System length telescopic, double-leaf (opening on the right)	min. 48 15/16" (1243 mm)
System length, telescopic, four leaves	min. 87 1/8" (2213 mm)

Maximum leaf weights¹⁾	
Single-leaf	1 × 1000 lbs / 1 × 440 lbs (1 × 450 kg / 1 × 200 kg)
Double-leaf	2 × 660 lbs / 2 × 485 lbs (2 × 300 kg / 2 × 220 kg)
Telescopic, double-leaf	2 × 265 lbs / 2 × 265 lbs (2 × 120 kg / 2 × 120 kg)
Telescopic, four leaves	4 × 220 lbs / 4 × 220 lbs (4 × 100 kg / 4 × 100 kg)

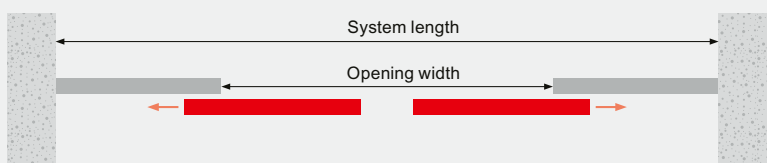
Opening widths²⁾	
Single leaf	31 1/2" ... 9' 2 1/4" (800 ... 2800 mm)
Double-leaf	43 5/16" ... 9' 10 1/8" (1100 ... 3000 mm)
Telescopic, double-leaf	27 9/16" ... 12' 5 5/8" (700 ... 3800 mm)
Telescopic, four leaves	55 1/8" ... 12' 5 5/8" (1400 ... 3800 mm)

Opening speed³⁾	1.6 ... 40 ips (4 ... 100 cm/s)
Closing speed³⁾	1.6 ... 32 ips (4 ... 80 cm/s)

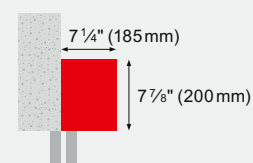
¹⁾ for rescue and escape routes (RER)

²⁾ larger opening widths on request

³⁾ per door leaf, dependent on the door weight, opening width and the prevailing regulations



Plan view (double-leaf with fixed leaf)



Cross-section

