

TORMAX iMotion 1301 – Swing Door Drive



iMotion®
the passion to drive doors



intelligent



modular



ecological



reliable



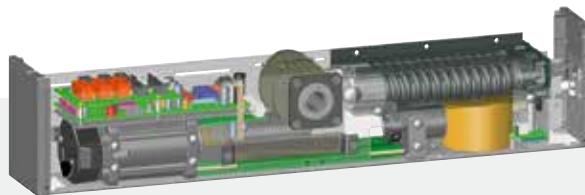
economical

« This compact but powerful swing door drive offers extremely **quiet** and **long life** operation for medium to large pedestrian passageways with high traffic volume. It is **easy to install** during conversions and in new buildings.»

★★★★★
TORMAX
AUTOMATIC

TORMAX iMotion 1301

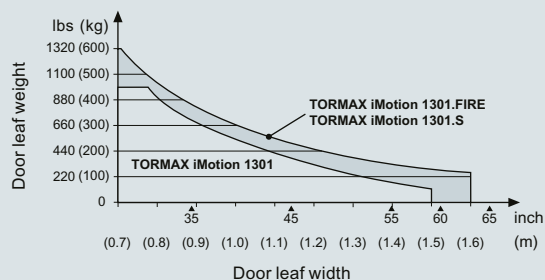
Swing Door Drive



Areas of application	– external and internal doors, 1- and 2-leaf – fire and smoke seals, 1- ¹⁾ and 2 ³⁾ -leaf
Variants	– TORMAX iMotion 1301.S – TORMAX iMotion 1301.FIRE (1- and 2-leaf)
Options	– air lock function – nurse-bed function – integration into building management systems – user interface, 3 resp. 6 operating modes – key switch – with integrated door coordinator device
Drive type	– electromechanical – spring closing/opening if no power is available
Motor	AC permanent magnet, synchronous motor
Control system	micro-processor (32Bit/30 MHz)
Mains connection	1 × 230/1 × 115 V AC, 50 ... 60 Hz, 10 A
Power consumption	6 ... 250 VA; 12 ... 330 VA ^{1) 2)}
Inputs	8 programmable inputs, of which 4 testable safety features, expandable by modules
Outputs	3 programmable, short circuit-proof, expandable by modules
Sensor power supply	24 V DC/0,75 A; 24 V DC/1,5 A ^{1) 2)}
Electric latch	6 ... 24 V DC/max. 24 W, max. 2 A
Interfaces	RS232, LIN bus, CAN bus
Approvals	CE incl. RoHS, TÜV, ETL, DIBt
Standards	DIN 18650/EN 16005, EN 60335-1, EN 61000-6-2, EN 61000-6-3, UL 325, DIN 18263-4

Durability	class 3 to DIN 18650-1: 2010
Protective class (drive)	IP 22 (installed in a dry location)
Ambient temperature	–4 °F to +122 °F (–20 °C to +50 °C)
Installation location	lintel-mounted pull/push type; door leaf mounted push type; panic fitting
Dimensions	3 ¹⁵ / ₁₆ × 5 ⁵ / ₁₆ × 25 ³ / ₁₆ " (100 × 135 × 640 mm) 4 ¹ / ₂ × 5 ⁵ / ₁₆ " × door width ³⁾ (115 × 135 mm × door width ³⁾)
Door sizes to DIN 1154	3...6
Inertia, door leaf	1898 lbft ² / 2373 lbft ² ^{1) 2)} (80 kgm ² / 100 kgm ² ^{1) 2)})
Angle of opening	standard linkage: max. 110° sliding lever: max. 110°
Opening speed	up to max. of 45°/s; 60°/s ^{1) 2)}
Closing speed	up to max. of 45°/s; 60°/s ^{1) 2)}
Hold open time	0 ... 60 s; permanently open

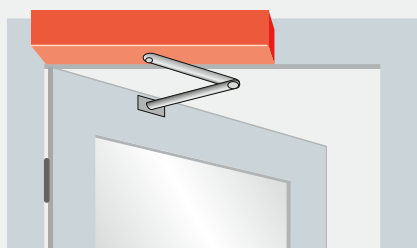
Maximum door leaf weights



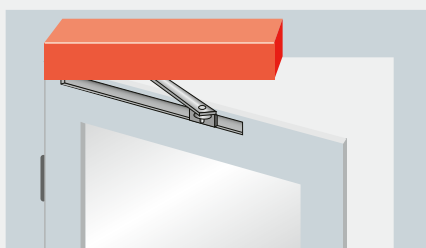
¹⁾ only TORMAX iMotion 1301.FIRE

²⁾ only TORMAX iMotion 1301.S

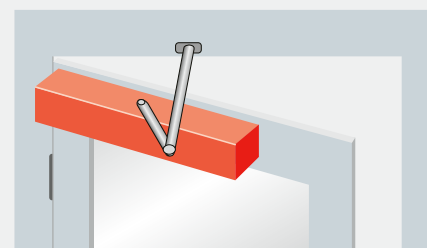
³⁾ TORMAX iMotion 1301.FIRE with door coordinator device



Lintel-mounted with standard linkage



Lintel-mounted with sliding rail



Door leaf mounted with standard linkage (1301 + 1301.S only)