

State Of The Art Slide Door Unit Feature Benefit

- Series TX9420 Outside Slide - Models Include Concealed for New Construction or Remodel, Flush Mount for Retrofit and Utility Headers With Doors Supplied By Others
- Series TX9430 Inside Slide - Models Include Concealed for New Construction or Remodel
- Panels are Synchronized to Open Together via Gear Reduction Unit - No Maintenance Prone Pulleys and Cables Required
- Access Control Package Option is Available - Electric Locking With Concealed Vertical Rod Panic Hardware
- Heavy Duty Interlocked Panel Design - Provides for Consistent Performance Through Heavy Use, Eliminates Panel Twist and Unsightly Joint Lines
- Door Panel Design - Corner Block Construction for Maximum Strength and Durability With Minimum 1/8" (3) Aluminum Wall Thickness, Available in Narrow and Medium Stile Design With Optional Rail Profiles
- Security Glazing Stops - Prevents Removal of Glass From Exterior, Available for 1/4 (6), 5/8" (16) and 1" (25) Thick Glass
- Spring Return Closers as Standard on Sliding Doors, Hydraulic Dampeners as Standard on Swing Out Panels - Controls the Direction of Swing in the Event of a Breakaway Condition
- Door Support and Suspension - Two Independent Trolley Heads Consisting of (4) 2 1/2 (64) Diameter Nylon Rollers With Precision Steel Lifetime Lubricated Closed Ball Bearing Centers and (2) Anti-Riser Rollers to Prevent Derailing
- Door Support and Suspension for Large Heavy Doors - Two Heavy Duty Independent Trolley Heads Consisting of (8) 2 1/2 (64) Diameter Nylon Rollers With Precision Steel Lifetime Lubricated Closed Ball Bearing Centers and (4) Anti-Riser Rollers to Prevent Derailing
- Field Replaceable Hard Coat Anodized Aluminum Door Roller Track, Isolated Between a Rubber Isolation Pad - Provides for a Smooth and Quite Ride
- Complete Range of Heavy Duty Aluminum Threshold Profiles Available - Recessed, Surface Double Bevel and Combination Surface Bevel/Square
- Standard Anodized Finishes Clear and Dark Bronze - Other Anodized Finishes, Painting and Metal Cladding Available Upon Request

Tormax Sensor Systems

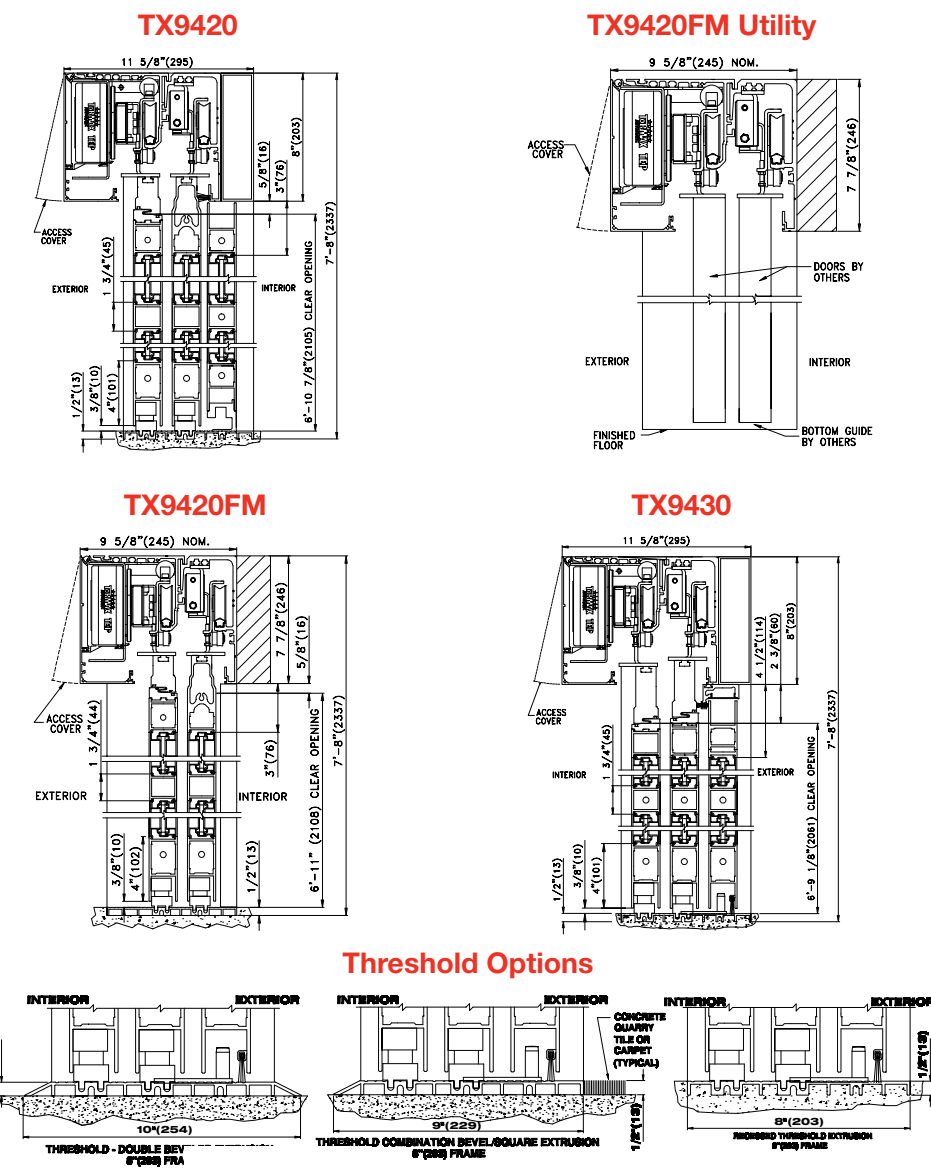
Tormax Sliding Door Systems are available with high quality, high performance sensor systems.



Delta III
The Delta III active infrared door sensor provides a large motion and presence detection pattern. The Delta III sensor features a safety zone in the threshold and sidelights that is always on. The size and shape of the detection pattern can be easily adjusted to match almost any application



Sigma
Integrated into a single enclosure, the SIGMA K-band microwave and focused infrared sensor provides unequalled technology. Designed for slide door systems, this sophisticated sensor assures a safe door operating environment.



Visit the web site at www.tormaxusa.com for detail drawings, specifications, product brochures, other sensor systems and manual controls

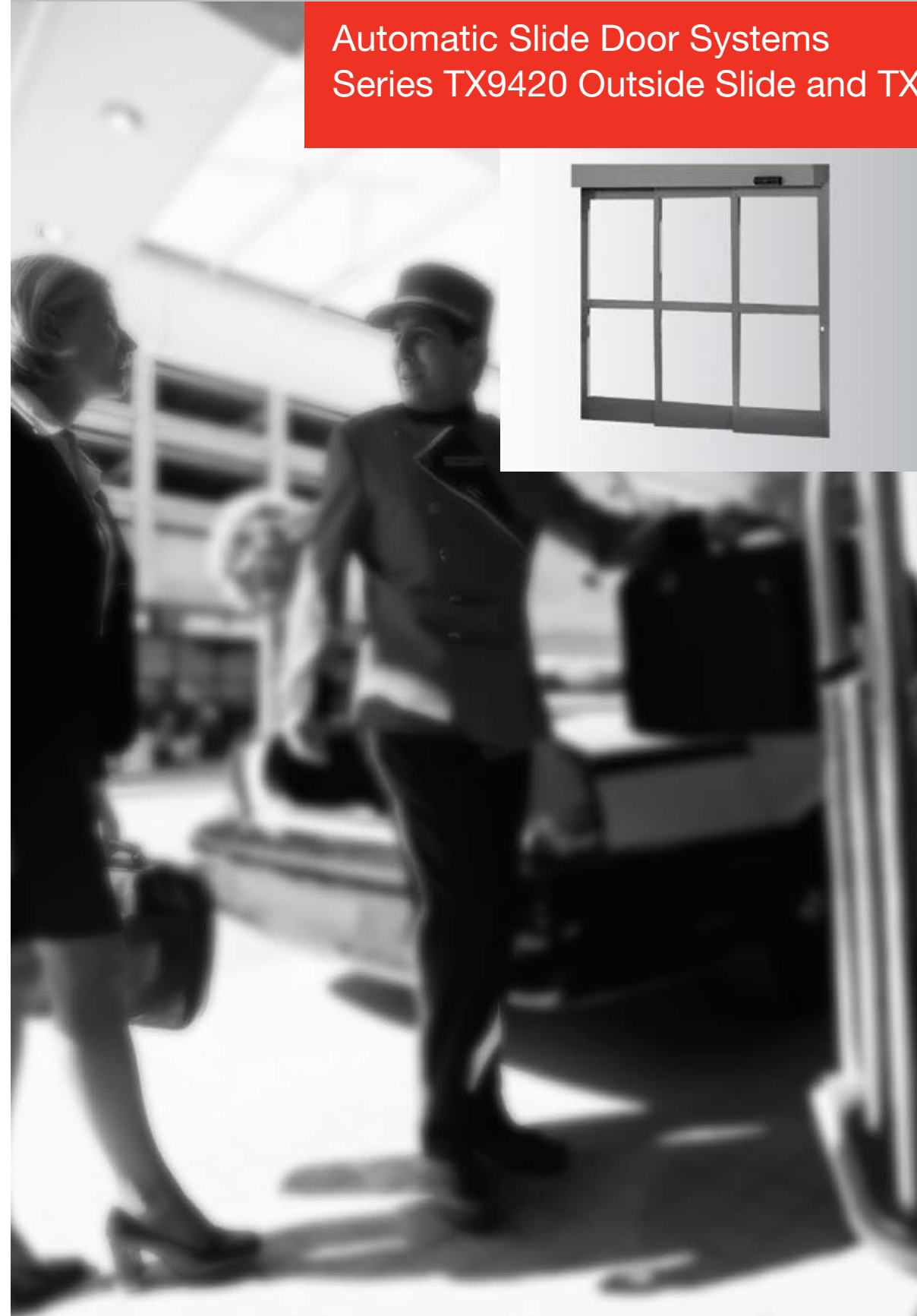


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Automatic Slide Door Systems Series TX9420 Outside Slide and TX9430 Inside Slide



World Class Entrance Systems

Ideal For:

- Retail & Food Stores
- Office Buildings
- Institutions
- Churches
- Health Care Facilities
- Government Buildings
- Education
- Independent Living Centers
- Libraries
- Transportation
- Clean Rooms
- Hospitality
- Processing & Industrial Plants
- Financial
- Convenience Stores
- Condominiums
- Car Dealerships



SLIDING DOORS

With iMotion® Direct Drive State of the Art Technology

Modular, Flexible, Outstanding Profile Design

Tormax Slide Door Systems are modular in design and can be adapted to any facility or aesthetic requirements. Door aesthetics can be customized, from door size and profiles, to glass size thickness as well as metal finish and color. The aluminum door package provides maximum opening width and is available as a single slide and bi-part slide with and without transom.

Tormax Slide Door Systems assure smooth, silent and dependable operation. Door panels ride on four closed bearing nylon wheels, which are durable and quiet. The wheels slide on an easily replaced hard-coated anodized convex track that rests on a rubber bed for ultra quiet operation. The door panels are driven by a nylon reinforced tooth belt drive, for reduced-sound and slip free action.

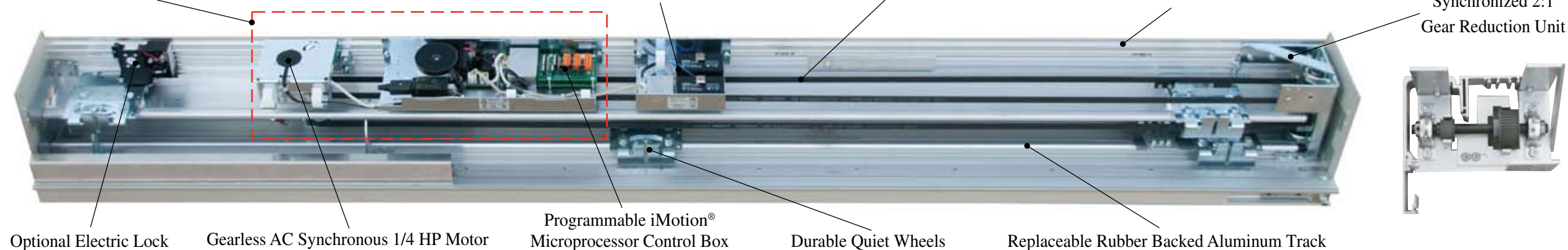
Tormax Slide Door Systems will accommodate the iMotion® 2301 direct drive system as well as the iMotion® 2401 heavy duty and non-corrosive direct drive systems and components. They can be configured as a TX9420 outside slide or TX9430 inside slide, and can be enhanced by a wide array of component accessory choices. Optional accessories include electric locking; panic exit hardware, battery backup, I/O Module and choice of threshold profiles.

The Tormax series TX9400 telescoping slide door system is smooth, quiet, and ideal for those spaces that require optimum opening width in all applications. Panels are perfectly sequenced to open together, providing twice the normal clear door opening width.

TX9420

The Series TX9420 Automatic Sliding Door System is a fixed sidelight outside slide door package. Only the lead sliding panel will breakout for emergency egress. Other models available include flush mount units for retrofit applications as well as utility sliders utilizing doors by others.

Tormax iMotion® 2301 Direct Drive System



TX9430

The Series TX9430 Automatic Sliding Door System is a full breakout inside slide door package. All panels breakout for emergency egress.



Leading the Way in Automatic Door Technology

The Tormax Slide Door System is the ultimate intelligent system. It incorporates state of the art iMotion® direct drive system technology, with self-adjusting fully programmable iMotion® microprocessor control and on-board auto diagnostics.

Tormax iMotion® Direct Drive

Created for long lasting efficiency and performance, the Tormax iMotion® Direct Drive has no gears to wear, no leaking oil or grease, no motor commutator, brushes and couplings to replace. **The result is a long service life with lowest total cost of ownership.** The iMotion® drive is extremely quiet in operation, and offers self-adjusting programmable iMotion® microprocessor controller with advanced auto diagnostics, and plug and play features, which make installation and operation fast and simple.

Self-Adjusting iMotion® Controller

The iMotion® direct drive maintains optimal performance at all times through the use of an on-board self-adjusting closed loop iMotion® microprocessor control system. The system periodically checks the door's operating limits and makes automatic adjustments to compensate for temperature, wind, dust, dirt, stack pressure and other outside factors, which alter the system's performance.

The door operating characteristics are fully adjustable via the Seven-Segmental Functional Control Panel, and can be used to customize a variety of door functions including speeds, door opening width, and door hold open time. The control system is easily accessible and utilizes plug and play iMotion® microprocessor technology. It self-calibrates opening and closing positions, door speeds and time delays for best possible performance based upon door weight and operating environment.

The fully programmable iMotion® control provides four programmable inputs for activation, key switch and mode of operation, four programmable inputs for safety, two programmable outputs for door position status, alarm, etc. This smart technology provides easy personalized programming, exceptional safety and monitoring features at the door level without any special tools.



Function Control Panel

Changing the operating characteristics and mode of operation of the Tormax Slide Door System is a simple task with the illuminated Seven-Segmental Function Control Panel. Standard with all slide door systems, the door can be field adjusted to meet any operating condition requirement.

Auto Diagnostics

The Tormax iMotion® Direct Drive System is continuously monitored by an on-board auto diagnostic system; when a fault is detected a blinking code is displayed on the remote Seven-Segmental Function Control Panel. Optional or required by design the system is further enhanced by two intelligent microprocessor self-monitoring doorway holding beams; they are self-checking every 20 seconds and after each opening to assure best performance.

First Class with Universal iMotion® Processor



Registration of door position back to the controller is determined via motor encoder. Signals from the motor encoder define door position without use of position magnets or mechanical switches.

iMotion® Direct Drive Technology Feature Benefit

- Tormax iMotion® 2301 Direct drive 1/4 HP AC Synchronous Motor – No Gears to Wear, No Leaking Oil or Grease. No Motor Brushes, Commutator or Couplings to Replace. “Wear Free Drive Principle”
- Optional Tormax iMotion® 2401 Heavy Duty Direct Drive .40 HP AC Synchronous Motor – No Need to Sacrifice Performance and Duty, Ideal for Heavy Industrial or Tempered All Glass Doors.
- Optional Tormax IP65 Direct Drive System – Ideal for Highly Corrosive Environments: Stainless, Dust Proof and Protective From Jetting Fluids. Drive System Components are Manufactured From 316 Marine Stainless Steel – Available in Both Standard and Heavy Duty
- Smooth and Silent Operation (sound level less than 70 DB) - “Silent Drive” Unlimited Application Opportunities
- High Speed/High Torque 1/4 HP AC Motor - Capable of Sliding Single Door Leafs Weighting up to 176 Pounds (80KG), Biparting Door Leafs Weighting up to 132 Pounds (60KG) Each
- Robust High Speed/High Torque .40 HP AC Motor - Capable of Sliding Single Door Leafs Weighting up to 265 Pounds (120KG), Biparting Door Leafs Weighting up to 220 Pounds (100KG) Each
- Universal iMotion® Microprocessor Controller – One Common Controller for All iMotion® Drives
- Plug and Play iMotion® Microprocessor Control System - Self-Calibrates Opening and Closing Positions, Door Speeds and Time Delays for Optimal Performance Based on the Door Weight and the Operating Environment
- Self-Adjusting iMotion® Microprocessor Control System - Auto-Compensates During Operation to Maintain Established Operating Parameters
- Programmable iMotion® Microprocessor Control System - Provides Flexibility During System Configuration, No Special Tools Required
- Reverse on Obstruction With Safety Circuitry – Monitors Both Directions of Door Movement
- Illuminated Seven-Segmental Function Control Panel - Provides for Six Operating Modes, System Configuration and Auto-Diagnostics
- Global Power Supply - Selectable 115-230VAC 50-60 HZ, Single Phase
- ANSI Compliant - Meets or Exceeds ANSI A156.10 Standards
- ANSI/ULC 325 Listed - United States and Canada