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.

IXIO
The IXIO is a self-monitoring, dual technology sensor for sliding doors. It combines microwave radar technology for activation of the door with infrared technology for pedestrian safety.

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

Delta III

IXIO

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

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 on a slide 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, which are durable and quiet. The wheels slide on an easily replaced hard-coated nylon reinforced belt that is self-monitoring doorway holding beams; they are self-checking every 20 seconds required by design the system is further enhanced by two intelligent microprocessor monitoring features at the door level without any special tools.

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 lastiing 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-Segment 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.

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- Segment 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.

Tormax iMotion® 2301 Direct Drive System

Optional Battery Back-up
Nylon Reinforced Belt
Durable Stylish Header
Synchronized 2:1 Gear Reduction Unit
Optional Electric Lock
Geaside AC Synchronous 1/4 HP Motor
Programmable iMotion® Microprocessor Control Box
Durable Quiet Wheels
Replaceable Rubber Backed Aluminum Track

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 iMax® 316 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 Leaf Weighing up to 220 Pounds (100KG), Biparting Door Leaf Weighing up to 176 Pounds (80KG) Each

Robust High Speed/High Torque .40 HP AC Motor - Capable of Sliding Single Door Leaf Weighing up to 280 Pounds (130KG), Biparting Door Leaf Weighing up to 220 Pounds (100KG) Each

Universal iMotion® Microprocessor Controller – One Common Controller for All iMotion® Drives

Plug and Play 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-Segmented 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

Programmable iMotion® Microprocessor Control System - Auto-Compensates During Operation to Maintain Established Operating Parameters

Self-Adjusting 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-Segmented 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

Programmable iMotion® Microprocessor Control System - Auto-Compensates During Operation to Maintain Established Operating Parameters

Self-Adjusting 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-Segmented 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

Programmable iMotion® Microprocessor Control System - Auto-Compensates During Operation to Maintain Established Operating Parameters

Self-Adjusting 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-Segmented 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

Programmable iMotion® Microprocessor Control System - Auto-Compensates During Operation to Maintain Established Operating Parameters

Self-Adjusting 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-Segmented 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

Programmable iMotion® Microprocessor Control System - Auto-Compensates During Operation to Maintain Established Operating Parameters

Self-Adjusting 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-Segmented 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