

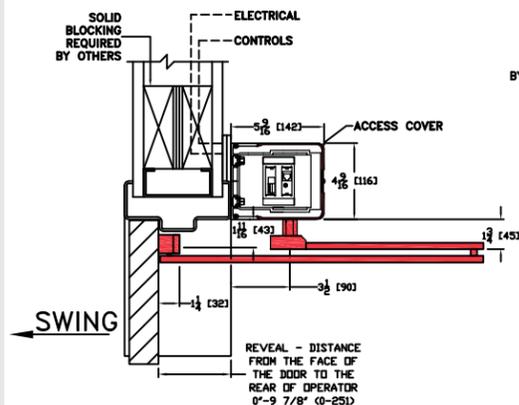
iMotion® Microprocessor Controller Feature Benefits

- Universal iMotion® Microprocessor Controller – One Common Controller for All iMotion® Drives
- Programmable iMotion® Controller – Provides Flexibility During System Configuration, No Special Tools Required
- Illuminated Seven-Segmented Function Control Panel – Provides for Six Operating Modes, System Configuration, and Auto-Diagnostics
- “Teach-In” Self-Learning Door Commissioning Program – Establish Door Opening and Closing Movements Without the Use of Cams and Switches
- Fine-Tune Door Motion Elements Independently After “Teach-In” – Provides for Optimal Performance
- System Provides for Two Independent Types of Door Movement Sequences – Optimal Door Behavior for Different Users
- Selectable (on/off) “Push-and-Pull” Operation – Automatic Operation Available for All Users
- Sequential Operation Available as Standard (push to open/push to close) – Operational Flexibility
- Obstruction Detection During Opening and Closing – Safety Reverse on Obstruction Provides for Safe Environment Without External Safety Sensors
- On-Board Power Supply (24VDC .75A max) – No Auxiliary Power Supply Required for Sensors and Activators
- On-Board Programmable Lock Output Power Supply (24VDC 1A max) – No Auxiliary Power Supply Required for Magnetic Lock or Electric Strike (fail-safe or fail-secure)
- Two On-Board Programmable Outputs (24 VDC) – Provides Door Position Status, Alarm, etc.
- Four On-Board Inputs for Activators, Mode of Operation, Key Switch – Programmable
- On-Board Key Switch Terminal – Remains Enabled in Off Mode for Access Control Integration
- Four On-Board Inputs for Safety Sensors – Programmable
- Optional I/O Module – Provides Four Additional Inputs and Four Additional Outputs
- Self-Configuring, Swing-Side, Door-Mounted Safety Sensor – No Cutoff Switch or Manual Adjustment Required
- Built-In Safety Circuit With Stall Logic – No Auxiliary Modules Required
- Reversing Sensitivity Adjustment – Program Door to the Environment
- Integrated Access Code – Inhibits Unauthorized Personnel From Making Door Adjustments
- Full Range of Operate Sensors, Manual Controls and Door Mounted Safety Sensors and Overhead Mounted Presence Sensors – ANSI Compliant
- Optional Battery Back-Up Module - Door Continues to Operate During Loss of Power
- Global Power Supply - Selectable 115VAC/230VAC 50-60 HZ Single Phase

STANDARD APPLICATIONS

Standard Push Application

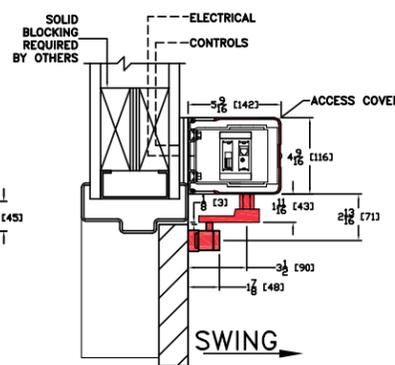
Telescoping Door Arm Will Accommodate Door Reveal From 0" - 9 7/8"



iMotion 1301® Header Side Load Design

Standard Pull Application

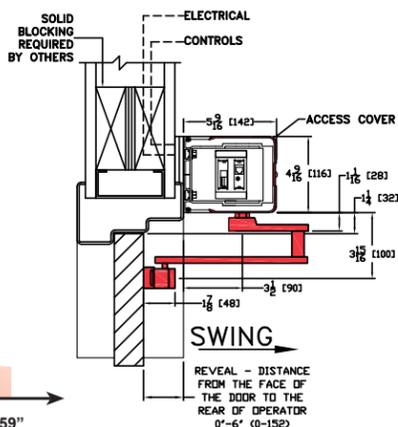
Inswing Door Arm & Slide Track Assembly for Butt Hung or Offset Pivot Doors With 0" Reveal



iMotion 1301® Header Side Load Design

Standard Deep Reveal Pull Application

Inswing Door Arm & Slide Track Assembly Will Accommodate Door Reveal From 0" - 6"



iMotion 1301® Header Side Load Design

iMotion®
the passion to drive doors

Door Weight



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

★★★★★
TORMAX
AUTOMATIC

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Rev 8/17

iMotion®
the passion to drive doors

Swing Door Drive iMotion® 1301 Swing Door Operator



World Class
Entrance Systems

Ideal For:

- Retail and Food Stores
- Transportation
- Financial
- Independent Living Centers
- Office Buildings
- Institutions
- Churches
- Health Care Facilities
- Government Buildings
- Education
- Hospitality
- Clean Rooms
- Processing & Industrial Plants
- ADA Approved

★★★★★
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iMotion® 1301 Swing Door Operator

Leading The Way In Automatic Door Technology

Tormax iMotion® 1301 Swing Door Operator: a culmination of intelligent design, eco-sensitivity, modularity, reliability and economical efficiency. Surpassing the competitors, Tormax has designed an eco-friendly, electro-mechanical operator that employs advanced technology. The iMotion® 1301 is self-governing, self-adjusting and offers unmeasured functionality.

The iMotion® 1301 Swing Door Operator is the most advanced swing door operator on the market today. The iMotion® 1301 is a non-handed power open spring close swing door operator which represents the best swing door technology, designed specifically to operate on a broad variety of swing door applications. The operator combines the latest generation of processor technology with dependable Tormax quality.

Dependable Tormax Quality

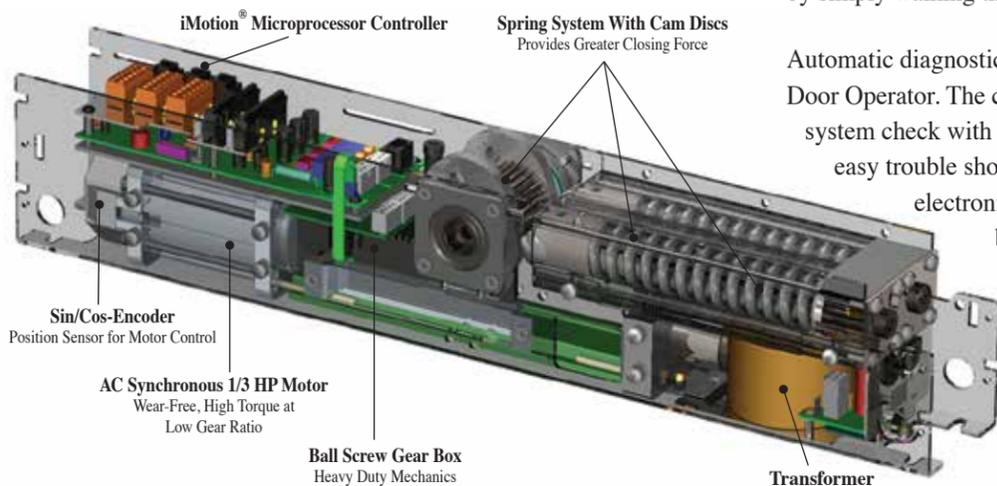
The iMotion® 1301 Swing Door Operator incorporates a powerful wear-free 1/3 horsepower AC synchronous motor with a rack and pinion transmission that is coupled with the intelligent iMotion® control processor. **The result is a smooth whisper quiet trouble free swing door operator that provides long lasting performance and efficiency with the lowest total cost of ownership.**

Application Flexibility

The elevated design can be used in any structure and provides not only pragmatic value, but also artistic value, equating to a convenient, comfortable, and safe swing door operator.

The iMotion® 1301 Swing Door Operator is designed for a wide variety of market specific applications in new construction, remodel, and retrofit applications. The overhead lintel mounted low maintenance operator can be used with single door leaves or pairs of doors with butt/offset or center pivoted hinges, swinging either out or in without panic breakaway.

The Operator System



The iMotion® 1301 Swing Door Operator with its heavy duty mechanics can be configured as a high energy swing door operator complete with safeties or as a low energy ADA swing door operator.

It is an ideal operator for retail stores, grocery stores, hotels, schools, airports, institutions, hospitals and related health care facilities. The operator, manufactured to ISO 9001 standards delivers smooth safe operation and provides a welcoming entrance that enhances storefront appeal. The iMotion® 1301 Swing Door Operator is UL 325 and UL 228 listed and meets ANSI Standard A156.10 and A156.19.

Outstanding Functionality

The iMotion® 1301 Swing Door Operator incorporates software features including “Push and Pull” activation by lightly pushing or pulling the door. The operator can be programmed to compensate for wind load and stack pressure to ensure that the door opens and closes properly in every instance.



The door opening speed, opening angle and hold open time can be easily programmed depending on the needs of the customer. This is accomplished conveniently without any cumbersome adjustments; by simply walking the door through the initial door cycle.

Automatic diagnostics are standard with the iMotion® 1301 Swing Door Operator. The control system has continuous self diagnostic system check with built-in fault indicator status for quick and easy trouble shooting. Built-in automated monitoring features electronic reversing upon detecting obstructions in both the opening and closing directions. Fine-tuned, precision programming encompasses internal and external peripherals (such as safety sensors) that monitor swing-areas and allow the end user independent adjustment capabilities.

User Friendly Function Control Panel



The iMotion® 1301 Swing Door Operator offers a user friendly Illuminated Seven-Segmented Function Control panel, which boasts Six-Operating Mode Capabilities and convenient programming options, such as variable opening and closing speeds, opening and closing force, hold open times, and many more. This smart technology provides easy personalized programming, exceptional safety and monitoring features.

First Class with Universal iMotion® Processor



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

Tormax Sensor Systems – High Energy Applications

The iMotion® 1301 Swing Door Operator is available with high quality high performance sensor systems. These systems provide precise activation and reliable performance and continuous swing door protection. This is accomplished through the use of our Eagle microwave motion sensor, and our top door rail mounted OA-EDGE2 T active infrared swing door safety sensor system.



Tormax Manual Controls – Low Energy Applications

The iMotion® 1301 Swing Door Operator can be activated by a push button switch, manual push or pull of the door “Push and Pull” activation, a remote control, or simply use it as a manual door. These options create barrier free access to assist the physically challenged.



Mechanical Operator Feature Benefits

- Non-Handed Electro-Mechanical Operator – Reduces On-Hand Inventory
- Factory Assembled, Tested and Shipped as a Complete Unit
- Power-Open, Spring-Close Operator – Functions as a Manual Door During Loss of Power
- Smooth and Silent Operation (< 70 db) – Unlimited Application Opportunities
- AC Synchronous 1/3 HP Motor – Wear-Free Drive Principle
- Rated for Interior and Exterior Doors (Refer to Maximum Door Leaf Chart)
- Internal Adjustable End-Stop in Opening Direction – No External Floor Stop Required, Eliminates Tripping Hazard
- Motor Power Boost Close – Ensures Doors Close in Harsh and Windy Environments
- Motor Hold Close – Assists in Holding Doors Closed in Unbalanced Buildings
- Adjustable Closing Spring-Force – Allows for Doors to be Fine-Tuned to the Environment
- No Mechanical Switches and/or Magnets Used for Door Position – Eliminates Costly Service and Down Time
- Power-Open and Hold-Open Capabilities – Excellent Option for Smoke Evacuation Doors
- Large Door Opening - Maximum 110 Degrees
- ANSI/UL-325 & 228 Listed – United States and Canada
- Dual-Purpose Operator - Meets ANSI Standards A156.10 and ANSI A156.19
- iMotion® 1301 Swing Door Operator
 - Designed for Retrofit Applications
 - Lintel Mounted Backplate Design for Fast Easy Installation
 - Side Load Design for Easy Access
 - Compact Visible Full Door Width Header Design 4 9/16" H x 5 9/16" W (116 H x 138 W)
 - Models Available to Automate Single, Pairs, Dual and Double Egress Door Applications
 - For Use With Outswing Butt Hung, Offset and Center Pivot Doors
 - For Use With Inswing Butt Hung, Offset and Center Pivoted Doors Without Breakaway
 - Standard Architectural Class 1 Anodized Finishes Clear and Dark Bronze – Other Anodized Finishes, Painting and Metal Cladding Available Upon Request