



TORMAX TTX II Low Energy Handicap Swing Door Operator

TTX II Visible Application – Side and Bottom Load Design

Unit Features

- Non-Handed Electro-Mechanical Operator - Reduces on Hand Inventory
- Power Open Spring Close - Functions as a Manual Door Closer With Loss of Power
- Rack and Pinion With Compression Spring Design - Eliminates Free-Wheeling of the Operator in Windy Environments
- Unique Re-Circulating Ball Screw Drive - Provides the Ultimate in Automatic and Manual Door Control (no gears to wear or leaking oil)
- Fractional DC Motor With Built-In Motor Protection Circuit - Interrupts Current to Motor if Door is Blocked Open
- Rubber Pads Isolate the Operator Mechanism From the Header Case - Provides For Smooth and Silent Operation (less than 70 DB)
- Unique Conical/Hexagonal Shaped Stainless Steel Output Shaft - Eliminates Door Arm Slippage
- Rated for Interior and Exterior Doors up to 48" Wide x 220 Lbs. (1219 x 100KG)
- Factory Assembled, Tested and Shipped as a Complete Unit
- Models Available to Automate Single, Simultaneous Pair and Double Egress Applications
- Outswing Door Arm - For Use With Butt Hung, Offset and Center Pivot Doors.
- Telescoping Outswing Door Arm Will Accommodate Door Reveal Ranging From 0"-9 7/8" (0-251)
- Inswing Door Arm and Slide Track - For Use With Butt Hung, Offset Pivot Doors
- Optional Deep Reveal Inswing Door Arm and Slide Track - For Use With Center Pivot or Double Egress Doors, 0-6" (0- 152) Reveal
- Side Load Back Plate Design (SL) - Factory Prepared For Quick and Easy Installation
- Side Load Design (SL) – For Convenient Operator Access
- Durable Steel End Plates (SL) - For Structural Integrity
- Compact Visible Side Load Design (SL) - Header Profile 4 9/16" H x 5" W x 31 1/2" L (116 H x 127 W x 800 L)
- Optional Bottom Load Design (BL) – The Ultimate Solution to Maintaining the Architectural Design For Doors That Have Little or No Head Room
- Bottom Load Design (BL) - Factory Prepared For Quick and Easy Installation
- Operator is Accessible From The Underside (BL) – Allows For the Header Case to Be Partially or Fully Concealed Into the Ceiling Above The Door.
- Aluminum "L" End Cap Mounting Brackets (BL) – For Ease of Unit Mounting
- Compact Visible Bottom Load Design (BL) – Header Profile 5 3/4" H x 5 1/2" W x 31 1/2" L (146 H x 140 W x 800 L)
- Optional Full Door Width Header Profile Available – Side Load and Bottom Load

- Outswing Door Opening Angle - Adjustable (0-110 degrees)
- Inswing Door Opening Angle - Adjustable (0-95 degrees)
- Built-In Spring Loaded Adjustable Operator End Stop - No External Door Stop Required
- Three Operating Modes (On/Off/Hold Open) - Pre-wired Switch as Standard With Each Unit
- Microprocessor Controller With On-Board Digital Programming
- Electronic Reversing for Door Obstruction in the Opening Direction - Door Will Stop and Reverse Close
- Electronic Reversing for Door Obstruction in the Closing Direction - Door Will Stop and Reverse Open
- Selectable (on/off) Push and Pull Activation - Programmable
- Manual Door Movement Required for Push and Pull Activation - Programmable
- Primary "Teach-In" Self-Learning Program for "Push and Pull" and Automatic Door Operation - Establish Door Opening and Closing Speed, Opening Angle and Hold Open Time by Manually Opening and Closing the Door
- Establish Unique Door Operating Parameters for "Push and Pull" and Automatic Door Operation Through a Secondary "Teach-In" Self-Learning Program
- No Mechanical Switches and/or Cams Required for Door Position - Eliminates Costly Service and Down Time
- Fine-Tune Door Motion Elements (door opening and closing speeds, opening angle and hold open time 0-6000s) Independently after "Teach-In" - Programmable
- Adjustable Latch Check Positioning - Programmable
- Adjustable Latch Check Speed - Programmable
- Adjustable Opening Force Limitation - Programmable
- Adjustable Opening and Closing Speed Limitation - Programmable
- Sequential Operation (Push to Open/Push to Close Operation) - Programmable
- On-Board Power Supply Output With Overload Protection (24VDC .75A Max.) as Standard for Radio Control Receiver - No Auxiliary Transformer Required
- On-Board Output for 24VDC Electric Strike as Standard With (.2-3.6S) Delay - Programmable
- On-Board Output for 24VDC Magnetic Lock as Standard - Programmable
- On-Board Output for Door Open or Door Closed Position Status - Programmable
- On-Board Input for Key Switch - Remains Enabled in Off Mode for Access Control Integration
- On-Board Input for Swing Side Door Mounted Presence Sensor - Standard Non Programmable
- On-Board Input for Approach Side Door Mounted Presence Sensor - Programmable
- On-Board Input for Swing Side Overhead Mounted Presence Sensor and Lock Out Relay - Programmable. (Controller will function with door mounted presence sensors on each side of the door or a door mounted presence sensor and an overhead presence sensor and lockout relay on the swing side of the door)
- On-Board Input for Swing Side Safety Carpet - Programmable
- Factory Reset - Programmable
- Built-In Safety Circuit With Stall Logic - No Auxiliary Modules Required
- Global Power Supply - Selectable 115-230VAC 50-60 HZ, Single Phase
- Optional - Door Sequencing and Interlocking Modules Available
- Available With a Full Range of Operate Sensors, Manual Controls, Door and Overhead Mounted Presence Sensors

- Available in Clear Class II and Dark Bronze Class I Anodized Finishes (other anodized finishes, painting and metal cladding available upon request)
- Power Consumption Max 140 Watts
- Meets or Exceeds ANSI Standard A156.19