



AutoSwing®

THE NATURAL EVOLUTION OF
AUTOMATIC SWING DOORS



The National Gallery of Canada (Ottawa, Ontario)
HA-8 - Both Push and Pull installations.

Hunter
AUTOMATICS

DITEC
ENTRE/MATIC™

AutoSwing

The “Universal Design” of **AutoSwing** automatic door operators allows Barrier-Free access, providing customer convenience and meeting the requirements of persons with disabilities.

It's the perfect choice for new and existing buildings, permitting easy access to commercial, industrial, and institutional locations.

In the forefront of automatic swing doors.



Scotiabank (Richmond Hill, Ontario) HA-8 - Push installations.



Baton Rouge Restaurant (Woodbridge, Ontario)
HA-8 - Pull installations.

Quality Construction

The AutoSwing solid cast housing construction and superior internal components provide the strength and durability needed for high frequency traffic.

Advanced Technology

The AutoSwing door operators have been engineered to open doors for people with disabilities and the elderly. The one way clutch allows the door to be opened manually with incredible ease.

The AutoSwing incorporates a concealed heavy-duty adjustable door stop, therefore eliminating the need for external stops.

The AutoSwing is equipped with an adjustable heavy-duty spring. Because of this feature, the AutoSwing can be used to operate larger, heavier doors in windy conditions.

Safe

The AutoSwing door operators are designed with the safety of the user in mind and complies with the latest ANSI standards A156.19 for low energy door operation.

Quiet Operation

The AutoSwing door operators are noise free in both automatic and manual mode for a pleasant, consumer friendly environment.

Easy Installation

The AutoSwing door operator requires only simple procedures for fast, trouble free installation. The AutoSwing is also easily retrofitted to existing



IBM (Markham, Ontario) HA-8 - Centre Spindle installations.

AutoSwing®

- Quality Construction
- Advanced Technology
- Digital Control Board
- Safe
- Quiet Operation
- Easy Installation
- Reliable
- Three Year Guarantee



The Hazelton Hotel (Toronto, Ontario) HA-8 - Centre Spindle installations.



HA-8 - Centre Hung

doors or new construction without major renovation.

Reliable

The AutoSwing is Canadian made and designed specifically for our weather conditions. The combination of superior construction and technology make the AutoSwing door operators the most reliable on the market.

Guarantee

The AutoSwing door operators are warranted for a period of three (3) years from the date of manufacture. Additional warranties are available upon request.



HA-8 - Centre Spindle



HA-8 - Push



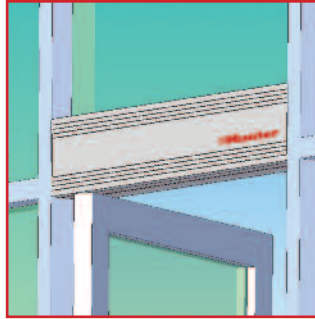
HA-8 - Pull



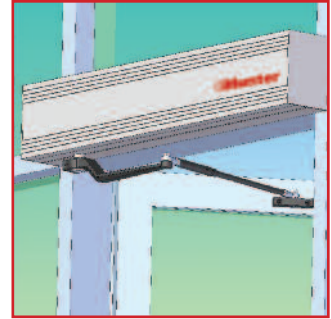
THE NATURAL EVOLUTION OF AUTOMATIC SWING DOORS

AutoSwing®

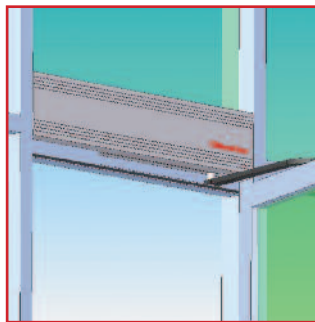
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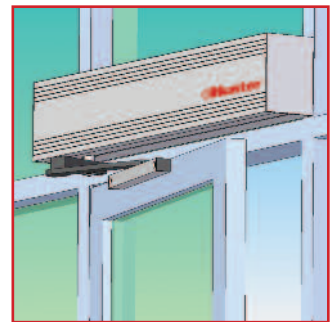
HA-8 - Centre Hung Left Hand



HA-8 - Left Hand Push



HA-8 - Centre Spindle Left Hand



HA-8 - Right Hand Pull

APPLICABLE STANDARDS – National Fire Protection Association (NFPA) Standard No. 101 - life safety code; door assemblies and NFPA No. 80; fire doors – latching devices. Underwriters' Laboratory (UL) #228 fire door standard. American National Standard (ANSI) for power operated pedestrian doors A156.10.

CETL USA approved



AutoSwing door operators have been installed in :

- Hospitals • Retail Stores • Schools & Universities • Office Buildings • Convention Centres • Casinos • Airports • Restrooms

Hunter
AUTOMATICS

DITEC
ENTRE/MATIC

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AutoSwing

1. GENERAL

1.01 SUMMARY

- A.
 - 1. Electro-mechanical swing door operating equipment
 - 2. Controls and safety devices
 - 3. Accessories

- B. Related Work: [Insert applicable section including]
 - 1. Section 07900 – Caulking
 - 2. Section 08400 – Entrances and Storefronts
 - 3. Section 08710 – Finished Hardware
 - 4. Section 08800 – Glazing
 - 5. Section 12670 – Entrance Mats
 - 6. Section 16120 – Electrical Supply and Termination

1.02 SUBMITTALS

- A. Product Data: Provide manufacturer's product and complete installation data for all materials in this specification.
- B. Shop Drawings: Show profiles, joining methods, location of components, anchorage details, adjacent construction interfacing and dimensions as well as all necessary wiring and electrical requirements.
- C. Samples: Sized to adequately represent material
- D. Contract Closeout: Submit the Manufacturer's warranty and performance certification (if applicable)
- E. Installation Guide: Provide written installation and operating manuals and/or installation recommendations.

1.03 QUALITY ASSURANCE

- A. Installation and maintenance shall be performed by an authorized dealer and in strict compliance with the manufacturers recommendations.
- B. Conform to UL Std. 325 & ANSI-BHNA Std. A156.19 certified to Can. CSA Std. C22.2#247.

1.04 PRODUCT HANDLING

- A. All materials shall arrive in the manufacturers original sealed, labelled containers.
- B. Store materials in a dry, protected, well-vented area. Report damaged material immediately to the delivering carrier; note the damage on the carrier's freight bill of lading.
- C. Remove all protective materials after installation.

1.05 JOB CONDITION

- A. Verify that other trades are complete before installing the automatic swinging door system.
- B. Mounting surfaces shall be plumb, straight and secure; substrates shall be proper dimension and material.
- C. Refer to the construction documents, shop drawings and manufacturer's installation instructions.
- D. Coordinate installation with the glass, glazing and electrical work.
- E. Observe all appropriate OSHA safety guidelines for this work.

1.06 WARRANTY/GUARANTEES

- A. Manufacturer's Standard Warranty: Warranted materials shall be free of defect in material and workmanship for a THREE (3) year period after installation.

2. PRODUCTS

2.01 MANUFACTURER

- A. Hunter Automatics
50 Vinyl Court
Woodbridge, Ontario
L4L 4A3
Phone: 1-877-3HUNTER (1-877-348-6837)
Email: sean@hunterautomatics.ca

2.02 AUTOMATIC SWINGING DOOR SYSTEM

- A. Automatic Door Operator: Shall be HUNTER HA-8. The system shall be an electro-mechanical system installed in a header to resist dust, dirt and corrosion. Bearings shall be fully lubricated and sealed to minimize wear and friction. Entire operator shall be removable from the header as a unit. All equipment shall operate between temperature extremes of -40° C (-40° F) and +60° C (+140° F).
- B. Power Opening: Operator shall open door with a 1/8 HP (1/4 HP available) motor through reduction gears splined spindle, door arm and linkage assembly. Drive train shall have positive constant engagement. No hydraulic or belts shall be allowed. Operator shall stop the door in the open position by electrically reducing the motor voltage and stalling against stop.
- C. Spring Close: Operator shall close door by spring energy. Employing the motor as a dynamic brake shall control closing speed. Closing spring shall be pre-loaded for positive closing action at low material stress level. "Low energy" operator door closing time shall not be less than 4.5 seconds.
- D. Manual Operation: Operator shall function as a manual door closer in the direction of swing with or without electrical power. To facilitate easy manual operation of door and to prolong gear and motor life the operator must have a one-way clutch in the gear train.
- E. Entrapment Protection: Door forces and speeds generated during power opening and manual opening in both directions of swing and spring closing in both directions of swing shall conform to the requirements of A 156.19.
- F. Electrical Control: Electronic controllers with quick connect plugs shall incorporate the following features:
 - 1. Mode of Operation: To be "low energy" as defined by A 156.19.
 - 2. Respond to push plates, transmitters and receivers.
 - 3. Immediate reverse-on-obstruction during opening capability.
 - 4. Open, back check and closing speed adjustment.
 - 5. Adjustable time delays.
 - 6. On/Off/Hold Open Switch.
- G. Header: Shall be 4-1/2" wide by 6-1/2" high, 6063-T6 aluminum extrusions with structurally integrated end caps. Structural sections shall have a minimum wall thickness of 0.25". Provide a full length removable cover for access to operator and electronic control box.

- H. Aluminum Extrusion Finish: Standard anodized finish shall be Clear, Bronze or Light Bronze. Special anodized, painted and clad finishes are available upon request. Specify type and colour.
- I. Linkage Assembly: Shall provide positive control of door through entire swing; Surface applied permit use on centre-hung, butt-hung or offset pivots. Concealed permit use on center pivot, butt-hung, and offset pivots.
- J. Controls: Push Plates, Transmitters, Pull Cords, Card Readers

3. EXECUTION:

3.01 INSPECTION

- A. The door installer shall verify that the installation area is dry, clean and free of foreign matter. Check as-built conditions and verify the manufacturer's details for accuracy to fit the wall assembly prior to fabrication.
Report in writing to the Contractor any detrimental conditions to the proper functioning of the swinging door operator and correct prior to any installation in accordance to the manufacturer's recommendations.

3.02 INSTALLATION OF AUTOMATIC SWING DOOR SYSTEM

- A. Installation shall be by an installer approved and trained by the manufacturer in strict accordance with the manufacturer's instructions and fire marshal's listing requirements.
- B. Comply with the automatic swinging door system manufacturer's recommendations and/or installation guide when installing the automatic swinging entrance system. Set all units plumb, level and true.
- C. Provide all fasteners required for installation of the automatic swinging door system.
- D. Adjustment and Cleaning: After repeated operation of the completed installation, re-adjust door operators and controls for optimum operating condition and safety. Clean all metal surfaces promptly after installation.
- E. Explain and review the Daily Safety Check Procedure.

END SECTION 08715

Hunter Automatics adheres to continuous development. For this reason, specifications may change without notice.