



Puertas & Portones Automáticos, S.A. de C.V.  
*¡Nuestra pasión es la Solución!...*

## » PUERTA RAPIDA ENROLLABLE SPIRAL DE ALTA VELOCIDAD MARCA HORMANN MOD. SPEED GUARDIAN 5000.



## Speed Guardian™ 5000 High Speed Rigid Doors

Modern, secure and reliable high performance doors



Versión Digital.

(229) 461-7028



portonesautomaticos@adsver.com.mx  
portonesautomaticos@prodigy.net.mx



RESIDENCIAL



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MEMBER



International Door Association



V12.21

(229) 927-5107, 167-8080, 167-8007, 151-7529.



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» PUERTA RAPIDA ENROLLABLE SPIRAL DE ALTA VELOCIDAD MARCA HORMANN  
MOD. SPEED GUARDIAN 5000.

## Speed-Guardian™ 5000 Rigid High Performance Doors

With insulating sections for a high thermal insulation



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### Optimized processes

The fast opening and closing speeds of high-speed rigid doors optimize work processes and significantly accelerate logistics processes. Depending on the door model, galvanized, double-skinned sections are guided into a circular bracket or into horizontal or vertical tracks.

### Excellent thermal insulation

The sturdy steel sections of the doors have thermal breaks and are PU-foamed. As a result you benefit from excellent thermal values: R-value of 13.6 and U-value of 1.04, minimize energy loss. For special applications that require additional energy efficiency, high-speed doors with 67 mm (2-5/8") thick sections are the first choice.

### Reliable protection

High speeds require special protection precautions. The solution: a standard light curtain that is built into the guide tracks. The built-in light curtain is integral with the guide tracks making it less susceptible to damage by passing loads and eliminates the need for additional protection devices such as a reversing edge and photocell. This system enhances protection of personnel and goods and drastically reduces the likelihood of damage and repair to other parts of the door, saving on maintenance costs when used in conjunction with motion or presence detectors.



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## » PUERTA RAPIDA ENROLLABLE SPIRAL DE ALTA VELOCIDAD MARCA HORMANN MOD. SPEED GUARDIAN 5000.

### The Hörmann Advantages

Quality features of a cutting edge door system



# 1

#### Protection is standard

##### Non-contact protection

The standard light curtain is integral with the guide tracks making it less susceptible to damage and eliminates the need for additional protection devices such as a reversing edge and photocell. This system enhances protection of personnel and vehicles, drastically reducing the likelihood of damage, saving on maintenance costs when used in conjunction with motion or presence detectors.



# 2

#### Optimized operations

##### Long service life and high efficiency as standard

The frequency converter control box takes stress off the entire door mechanism, guaranteeing nearly wear-free, quiet door travel. Fast opening and closing speeds optimize operations and reduce heat losses. In addition, they relieve the entire door mechanism through the smooth starting and braking action, which considerably extends the service life of the door. For larger Speed-Guardian™ models, the door travel is supported by springs, and for H and V track models by wear-free counter weights.

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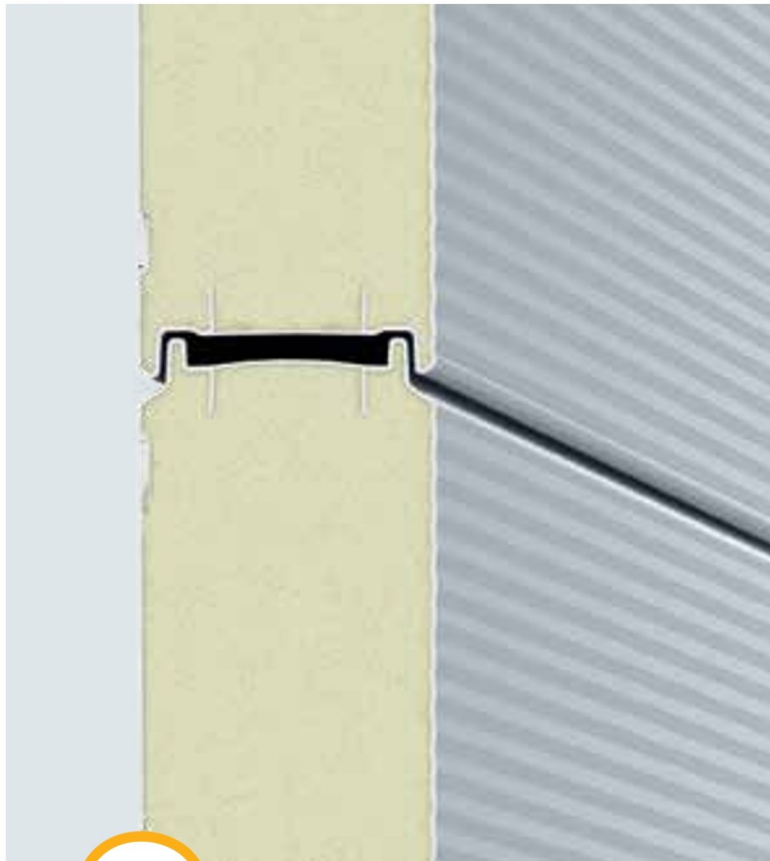




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## » PUERTA RAPIDA ENROLLABLE SPIRAL DE ALTA VELOCIDAD MARCA HORMANN MOD. SPEED GUARDIAN 5000.

**Individual slats may be replaced  
without disassembling the entire panel**



**Only from Hörmann**



# 3

### Efficient thermal insulation

# 4

### A permanently clear view

#### Uniformly foamed steel sections

The galvanized, double-skinned sections with PU rigid foam infill offer an especially high level of thermal insulation. The doors are supplied as standard in RAL 9006. The exterior is characterized by the fine Micrograin lines, on the interior the sections are Stucco-textured.

#### Efficient slat replacement possible thanks to updated slat connectors

Updated slat connectors make it possible to replace individual slats without the need to disassemble the entire panel. This added efficiency greatly reduces the amount of downtime for repairs.

#### Standard Duratec® glazing

Duratec® glazing guarantees maximum scratch resistance despite heavy use in rough industrial environments. The special surface coating protects the pane from scratches and damage caused by cleaning. In addition to clear vision slats, all 5000 models have optional tinted / privacy vision slats available: Obscured White or Smoke Gray. Perforated vision slats are also optional.

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### Speed-Guardian™ 5000 Rigid High Performance Doors

With insulating sections for a high thermal insulation



#### Quick and well-insulated

The fast opening and closing speeds  
reduce heat loss.

#### The space-saving track application LH (low headroom)

For limited headroom above the door opening, we  
recommend track application LH.



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## » PUERTA RAPIDA ENROLLABLE SPIRAL DE ALTA VELOCIDAD MARCA HORMANN MOD. SPEED GUARDIAN 5000.



**Low profile model (LP)** for areas with limited side room  
This configuration requires only 8" of side room clearance  
for the guide tracks (Complete view CV panel shown).

### The adjustable H (high-lift) and V (vertical-lift) track applications

These allow the door to be installed behind or  
above supply lines, for example. Door travel  
is supported by low-wear counter weights.



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### Speed-Guardian™ 5000 Rigid High Performance Doors

Section with thermal break and effective thermal insulation

#### Speed-Guardian™ models features

- For interior or exterior applications.
- Maximum opening 80 IPS / closing 30 IPS.
- The 42 mm-thick (1-5/8") x 10" high (9" high on 4000 Hurricane model) PU-foamed steel sections have excellent thermal insulation.
- For higher thermal insulation requirements: 67 mm-thick (2-5/8") x 15" high PU-foamed steel sections, thermal insulation value of up to an R-value = 17.5.
- 42 mm slat on Acoustic model has aluminum hollow profiles filled with 5 mm PVC and 30 mm PU-foam.
- Surface finishes and colors: 42 and 67 mm-thick sections have a Micrograin™ surface on the exterior and Stucco surface on the interior – exterior and interior are based on RAL 9006 color as standard.  
 Optional: Any RAL color (U slat with wet epoxy paint / CV slat with powder-coated paint).  
 Optional: Wood grain surface imprints are optional in shades of oak, cherry or maple.
- Optional: Vision slats – Three styles of vision slats are available: clear, perforated or tinted. The tinted slats are a perfect choice where filtered light is required within the interior side, but privacy from the outside to inside view is desired. Perforated slats are selected for use in applications where ventilation is necessary, such as in parking garages.
- Light curtain built into guide tracks automatically reverses the door if beams are interrupted.
- Hood: Optional: Galvanized steel. (N/A on LH model).
- Emergency opening: Chain hoist.



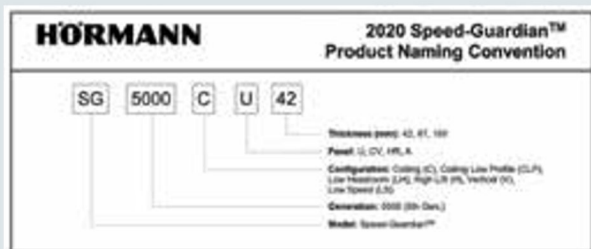
Double-skinned steel sandwich slats with thermal break in two thicknesses: 42 mm (1-5/8"), 67 mm (2-5/8"), and acoustic slat



Optional wood grain surface imprints in shades of oak, cherry or maple



Tinted vision options: Obscured White or Smoke Gray



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## » PUERTA RAPIDA ENROLLABLE SPIRAL DE ALTA VELOCIDAD MARCA HORMANN MOD. SPEED GUARDIAN 5000.

### Speed-Guardian™ 5000 Rigid High Performance Doors

Models with individual track designs for every application

#### SG 5000 C U 42

- Circular track. Door panel is securely guided into a spiral bracket without any contact.
- Maximum dimensions up to 21'4" w x 21'4" h or 24'0" w x 20'0" h.
- Chain mechanism and springs.

#### SG 5000 C CV 42

- Maximum dimensions up to 20'0" w x 14'0" h.
- The CV model is a complete panel of vision slats that allows more light into the building and more visibility from inside to outside.
- Available with any track design.
- Popular choice for: retail automotive, parking and fire stations because of aesthetic appeal and security.

#### SG 5000 C U LP 42

- Maximum dimensions up to 16'0" w x 16'0" h.
- Low profile (LP) springless track design fits into as little as 8" of side room clearance.

#### SG 5000 LH 42

- Maximum dimensions up to 18'0" w x 18'0" h.
- Low headroom track requires only 20" of headroom clearance.
- A chain mechanism with spring compensation runs the sections into horizontal tracks.

#### SG 5000 H 42

- Maximum dimensions up to 18'0" w x 18'0" h.
- High-lift springless track: The panel is guided in horizontal tracks and can be diverted flexibly behind or above supply lines and crane tracks.

#### SG 5000 V 42

- Maximum dimensions up to 21'4" w x 21'4" h.
- Vertical-lift springless track: The sections run vertically along the building wall allowing for quiet and wear-free door movement.

#### Hurricane rated models

##### SG 4000 C HR 42

- Maximum dimensions up to 16'0" w x 20'0" h.
- A solid 1-5/8" thick door panel made of uninsulated anodized aluminum construction, with internal reinforcements.
- Approval Missile Level D, Wind Zone 4.

##### SG 5000 CV TD HR

- Maximum dimensions up to 20'0" w x 14'0" h.
- 1-5/8" thick door panel, available in all slats styles.
- Tandem shutter meets test protocol for Wind Zone 4.



Track application C (coiling)



Track application V (vertical-lift)



Track application LH (low headroom)



Track application LP (low profile)



Track application H (high-lift)



Hurricane rated doors: solid door or door with vision slats and tandem shutter.

Technical specifications are available on model Product Data Sheets.

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## » PUERTA RAPIDA ENROLLABLE SPIRAL DE ALTA VELOCIDAD MARCA HORMANN MOD. SPEED GUARDIAN 5000.

**Solutions Made Easy With Exclusive Hörmann Accessories**

Tools for enhancing protection and promoting proactive technical support

1



### LED Lite-Advance door monitoring

#### Red and green lights promote safety

The LED Lite-Advance is a visual indicator, signaling approaching traffic that the door is open, closed or in motion. The Lites comes in 5 or 10 ft. lengths of bright LED light strips which attach to the guide tracks or hood. Lites are solid red when the door is down, flashing red when in motion, and solid green when completely open, increasing awareness which will reduce the likelihood of impact to the door, and minimize downtime.

2



### SmartControl M2M remote technical support

#### Remote diagnostics for fast technical support anytime, anywhere

Using a web browser such as Internet Explorer, Chrome or Firefox as an interface, SmartControl M2M (mobile to mobile) is a remote communication device, built into your Hörmann control box (optional feature) and allows a Hörmann technical service professional to remotely diagnose door issues by accessing activity and codes directly from specific Hörmann high performance doors in the field. In many cases, resolution of an error can be made over the phone, saving an unnecessary service call.

3



### Scanprotect opening sensor and area surveillance

#### 3D laser is the ideal solution for activation or safety

The Scanprotect sensor uses laser technology, based on analysis of time of flight. It creates a volumetric area in front of the door by generating 7 angled laser curtains. One device alone carries out 3 functions: opening the door, area surveillance and safety. More than just a sensor, it becomes a protective mechanism for the door and the user.

4



### Wireless Crash Alert System 24-7-365 monitoring

#### Wireless impact detector prompts real-time alerts

With the Hörmann wireless crash alert system, door downtime will be a thing of the past! This system can monitor up to 500 doors on a single network. When a door is hit, the wireless impact detector transfers data through the wireless cellular Gateway to a specified phone number as a call, a text or to an email, providing real-time alerts 24-7-365.

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## » PUERTA RAPIDA ENROLLABLE SPIRAL DE ALTA VELOCIDAD MARCA HORMANN MOD. SPEED GUARDIAN 5000.

### Intelligent Operator and Control Technology

Standard at Hörmann

#### ✓ Frequency converter control

High performance frequency converter controls (FU) feature higher speeds and relieve the complete door mechanism which, in turn, extends the service life of the door considerably. The next generation Smart Start™ NXT, NEMA 4X, control box has a simplified wiring configuration and is more powerful, has fewer components and cables as compared to the original Smart Start™.

#### ✓ Door cycle counter

#### ✓ Operation time monitoring

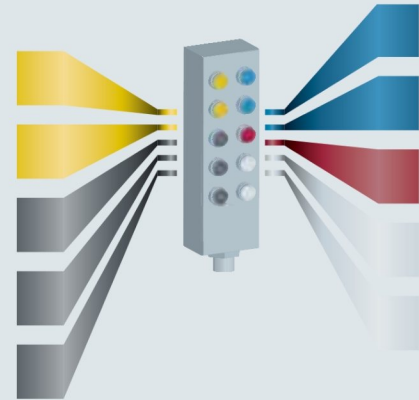
#### ✓ Automatic timer (adjustable hold-open phase)

#### ✓ Error display / diagnosis via a 4 x 7-segment display

#### ✓ Service operation setting

#### ✓ Color-coded plug-in control wiring

Connection of accessory components and safety devices is made easy with colour-coded plug-in connections and connection cables. This makes installation of initial electrical start-up quick and easy.



- Protection device
- Protection device
- Activation 1
- Activation 2
- Activation 3
- Protection device
- Protection device
- Crash receiver
- Light curtain transmitter
- Light curtain receiver

### Remote keypad

Performs control box functions from ground level

More and more installations require that the door control box is installed out of the reach of passersby or completely away from the door in a central location. For these types of applications, our remote keypad is the ideal accessory; it allows for the actual door control box to be remotely installed while still having the ability to operate all control functions through a compact, 3" x 5-1/2" keypad. For Speed-Guardian™ and Steel Ranger™ models, surface mount is available.



### Energy Analysis Report

Calculate ROI when installing a new Hörmann door

Analyze energy consumption at a specific location and what impact a new Hörmann high performance door can have on energy savings and ROI. Your Hörmann door professional can complete a customized energy report. Based on application-specifics such as average temperatures on each side of the door opening, heating source, type of door currently installed and more, the report will show current monthly and yearly energy costs based on the existing door, and projected ROI for purchasing a new Hörmann door.

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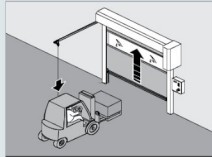


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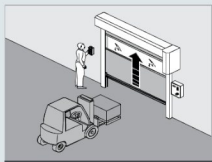
### Activation

#### Options for operation



#### Pull Cord

- Nylon cord lanyard & raintight housing. NEMA 4 rated and suitable for heavy duty use.



#### Push Button

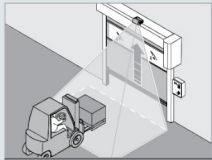
- Single, double or triple button.
- NEMA 4 rated.

#### Mushroom Push Button

- NEMA 4 rated.

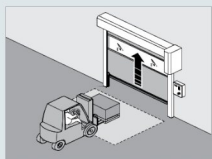
#### Finger-Scan

- Your fingerprint is enough.
- Model FL 12 for 12 fingerprints or the FL 100 for 100 fingerprints.



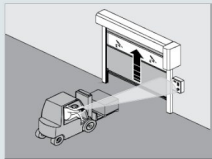
#### Radar / Motion Detector

- Activates when equipment or personnel enter the detection area.
- Weather-resistant enclosure, protection category IP65 (NEMA 4X).



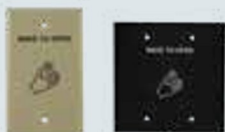
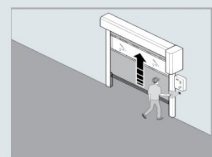
#### Induction Loop Detector

- A loop wire field is installed below the floor's surface and generates a magnetic field sensitive to metal objects.



#### Remote Control

- Effective at a range of up to 60 feet.
- Transmitters are available to activate up to 27 doors with one transmitter.



#### Touchless Activation Switch

- Sterile alternative to manual activation devices.
- Surface or flush mountable. Water resistant. Detection zone adjustable from 4 - 24 inches.







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### Protection devices

#### Options for safety equipment



##### Light Curtain

Continuous light beams shine across the door opening, from the floor up to 8'0" high, providing added protection of personnel and goods. Built-in light curtains are standard on the Speed-Commander™ 1400 SEL (shown above), Speed-Master® Series, Speed-Guardian™ Series, and Steel Ranger™ 9000 L.



##### Radar Motion Detector and Infrared Presence Detector (Activation and Protection Device)

The model HF-MP detects both motion and presence. The HF-MP covers a wide range of applications where pedestrian and motorized traffic patterns co-exist.



##### Laser Scanprotect Sensor

- Detection mode: motion and presence.
- Insensitive to rough weather conditions. Reliable non-detection of varying floor surfaces.
- Installation height: 6'5" to 19'6". Maximum detection zone 20 sq. ft. Housing protection category IP 65.



##### Warning Light

Highly visible warning light has a lightweight plastic housing and turns on three seconds prior to closing until the door is closed.



##### Warning Light With Horn

The warning light with horn may be used when an audible indicator along with a warning light is required.

Photos are representative of current designs and are subject to change.

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### Control Boxes

Standard at Hörmann



**Smart Start™ NXT HFCB**  
 Non-UL Control box  
 in plastic housing  
 single-phase, 230 V

**Operation**  
 Open / Stop / Close membrane  
 push button, 4 x 7-segment  
 display for information on door  
 functions

**Function**  
 Automatic timer,  
 hold-open phase adjustable  
 by up to 120 sec.,  
 built-in light curtain,  
 stop / reopen

**Activation**  
 Push button, pull cord,  
 motion detector, presence  
 detector, induction loop  
 detector, remote control,  
 touchless, keypad, laser sensor

**Extension options**  
 Main switch, amber warning  
 light, horn, interlocking,  
 stainless steel enclosure

**Wiring**  
 Connecting lead 1~230 V, N,  
 PE, fuse 16 A, slow-acting,  
 plug-in connection between  
 door operator and control  
 cabinet, CEE plug, 3-pin with  
 36" cable for on-site CEE  
 socket, 16 A

**Housing dimensions**  
 8" wide x 16" high x 7" deep

**Compatible door types**  
 Standard on:  
 Speed-Master® 1600 L<sup>19</sup> Eco

Consult factory for these  
 models:  
 SC 1400 SEL<sup>19</sup>  
 SC 1400 MP  
 SC 1400<sup>19</sup> Clean-Master 20 Pa  
 SC 1400<sup>19</sup> Cool-Master  
 SC 1400<sup>19</sup> Food-Master  
 SC 1500 Compact  
 SM 1600 L<sup>19</sup> (up to 10 x 10)  
 SG 5000 (N/A on Model LP)  
 SR 9000 L

**UPS Emergency Battery Pack**  
 Control box - Non-UL  
 in plastic housing  
 single-phase, 230 V

**Operation**  
 Automatic upon loss of power  
 Only available with HFCB  
 Non-UL control box

**Function**  
 Upon loss of power,  
 automatically opens the door  
 once. When battery is low, an  
 alarm sounds signaling time for  
 replacement

**Wiring**  
 Connecting lead 1~230 V, N, PE,  
 fuse 16 A, slow-acting,  
 plug-in connection between  
 door operator and control  
 cabinet, CEE plug, 3-pin with  
 36" cable for on-site CEE  
 socket, 16 A

**Housing dimensions**  
 8" wide x 16" high x 7" deep

**Compatible door types**  
 Optional on:  
 SC 1400 SEL<sup>19</sup>  
 SC 1400 MP  
 SC 1400<sup>19</sup> Clean-Master 20 Pa  
 SC 1400<sup>19</sup> Cool-Master  
 SC 1400<sup>19</sup> Food-Master  
 SM 1600 L<sup>19</sup> (up to 10 x 10)  
 SG 5000 (N/A on Model LP)  
 SR 9000 L

**Smart Start™ NXT NEMA 4X**  
 UL Control box in steel housing  
 Standard: Three-phase, 208 to 575 V  
 Available: Single-phase

**Operation**  
 Open-Stop-Close membrane  
 push button, emergency-off  
 button, 4 x 7-segment display  
 for information on door functions,  
 lockable main switch

**Function**  
 Automatic timer,  
 hold-open phase adjustable  
 by up to 120 sec.,  
 built-in light curtain,  
 stop / reopen

**Activation**  
 Push button, pull cord,  
 motion detector, presence detector,  
 induction loop detector, remote control,  
 touchless, keypad, laser sensor

**Extension options**  
 Amber warning light, horn, interlocking

**Wiring**  
 Connecting lead color-coded via  
 distribution box

**Housing dimensions**  
 11.5" wide x 15.5" high x 8" deep

**Compatible door types**  
 SC 1400 SEL<sup>19</sup>  
 SC 1400<sup>19</sup> Clean-Master 20 Pa  
 SC 1400<sup>19</sup> Cool-Master  
 SC 1400<sup>19</sup> Food-Master  
 SC 1500 Compact  
 SM 1600 L<sup>19</sup>  
 SM 1600 XL<sup>19</sup>  
 SM 2600 L (1-ph N/A)  
 SM 4600 L (1-ph N/A)  
 SG 5000 (1-ph N/A on Model LP)  
 SR 9000 L

**XL Smart Start™ NXT NEMA 4X**  
 UL Control box in steel housing  
 Standard: Three-phase, 208 to 575 V  
 Available: Single-phase  
 For applications that require heat

**Operation**  
 Open-Stop-Close membrane  
 push button, emergency-off  
 button, 4 x 7-segment display  
 for information on door functions,  
 lockable main switch

**Function**  
 Automatic timer,  
 hold-open phase adjustable  
 by up to 120 sec.,  
 built-in light curtain,  
 stop / reopen

**Activation**  
 Push button, pull cord,  
 motion detector, presence detector,  
 induction loop detector, remote control,  
 touchless, keypad, laser sensor

**Extension options**  
 Amber warning light, horn, interlocking

**Wiring**  
 Connecting lead color-coded via  
 distribution box

**Housing dimensions**  
 15.75" wide x 23.625" high x 7.875" deep

**Compatible door types**  
 SC 1400 SEL<sup>19</sup>  
 SC 1400<sup>19</sup> Clean-Master 20 Pa  
 SC 1400<sup>19</sup> Cool-Master  
 SC 1400<sup>19</sup> Food-Master  
 SC 1500 Compact  
 SM 1600 L<sup>19</sup>  
 SM 1600 XL<sup>19</sup>  
 SM 2600 L (1-ph N/A)  
 SM 4600 L (1-ph N/A)  
 SG 5000 (1-ph N/A on Model LP)  
 SR 9000 L

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