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High Performance Doors

Designed for those with high expectations.





Hörmann Flexon High Performance Doors

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Hörmann Flexon high performance doors are German engineered and American made.

A collection of carefully designed high performance doors, manufactured to meet your highest expectations.



Professional Advice

You receive dependable advice, local support and installation, and experienced factory salespeople to assist you every step of the way. Make Hörmann Flexon your partner for first-class high performance doors.



Innovation

Our cutting-edge research and development department focuses on progressive ways to continually improve the safety and efficiency of our products, ultimately delivering the high performance doors customers want.



5 & 2 Warranty

Our exclusive 5 & 2 Warranty is our promise as a manufacturer that you can trust our products to be there for many years to come.



Quality Workmanship

Carefully designed and manufactured products, quality workmanship and great attention to detail, are what separate us from the rest and make our door systems sound investments.



Hörmann Flexon LLC, Pittsburgh, Pennsylvania, is dedicated to innovation, quality, safety and customer service. German engineered doors incorporate proven, state-of-the-art technology, at work every day with over 100,000 doors installed worldwide. Our customers can expect an impressive value for their investment.

Best of Business winner 2009 & 2010.



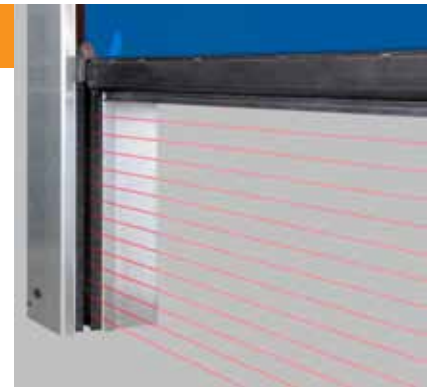


Speed-Commander™ Series 1400 SEL and 800 SF For Interior Doorways

The built-in light grid and self-repairing design provide a state-of-the-art door system.

Built-In Light Grid

Standard on the Speed-Commander™ 1400 SEL is a light grid built into the guide tracks up to 8'0" high. Completely free of coil cords, the light grid provides a thorough wall of protection for personnel and equipment at the doorway. On the Speed-Commander™ 800 SF, instead of the light grid, one reflective style panel reversing photocell is built into the guide tracks.



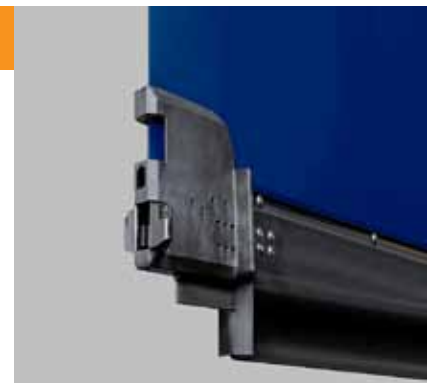
Damage Control

On the model 1400 SEL, in case of a collision, the door stops instantly and the flexible panel can break out of the tracks without damage so that costly repairs are avoided. As a self-repairing system, the SoftEdge profile is fed back into the guide tracks with just the push of a button, preventing downtime and service calls. Full perimeter draft seals and fast opening speeds of up to 80" per second enhance energy savings.



Wireless Breakaway Switch

The Speed-Commander™ 1400 SEL has a SoftEdge bottom profile equipped with a wireless breakaway switch. This simplifies installation, reduces maintenance and minimizes the risk of damage. The switch is safely cast into synthetic material and even works in dirty environments.





Enhance efficiency of operations at interior door openings with a technologically advanced door system.

Our special 5 & 2 warranty is our commitment to quality that you can rely on.



Sectional Panel Design

The Speed-Commander™ 1400 SEL comes in a sectional panel design. The panels are connected using aluminum profiles and have specially designed edges that allow the panels to slide easily into the horizontal aluminum profiles for fast replacement.



Optional Twin Rollers

For a faster opening speed of up to 100" per second, optional twin track rollers are available. The twin track rollers are attached to the horizontal spring steel stiffeners, providing quiet door travel.



HFCB 1-Phase Control Box

The Speed-Commander™ 1400 SEL accommodates the standard power sources readily available in most facilities. The HFCB control box is hardwired and standard with a 230 v / 1-phase / 60 Hz / 3-phase output power requirement.

Speed-Commander™ 1400 SEL

Applications

Pharmaceutical, hospitals, beverage, manufacturing, commercial buildings, general industrial, and more.

Size Range / Operating Speed

Interior locations
 up to 14'0" wide x 16'0" high.
 Opening: Up to 80" per second.
 Closing: 30" per second.

Panel

The anti-static, puncture resistant, nylon-reinforced PVC material / panel design accommodates in-plant air pressure conditions up to 15 mph.
 Weight: 58 oz. / sq. yd.
 Tear strength: 440 lbs. / sq. ft.
 Temperature rating: -22°F to +158°F.

Vision

Full-width x 35" high, clear PVC, starting at approximately 52" from

the floor. The panels are connected using aluminum profiles and have specially designed edges that allow the panels to slide easily into the horizontal aluminum profiles for fast replacement.

Colors

- Zinc Yellow (RAL 1018)
- Pure Orange (RAL 2004)
- Carmine Red (RAL 3002)
- Gentian Blue (RAL 5010)
- Agate Gray (RAL 7038)

Guide Tracks

- Standard:
- Heavy-duty, 12 gauge, galvanized steel guide tracks with removable front covers. Guide tracks are 7-1/4" wide x 4-1/2" deep with up to an 8"0" high light grid built in.
- Optional:
- Stainless steel.

Direct-Drive Motor

Compact, self-monitoring direct-drive motor has a patented built-in safety brake and is maintenance free.

Control Box

- Standard:
- HFCB 1-phase.
- Optional:
- HFC1 3-phase, hard-wired or Smart Start™ HFC1 3-phase when CUL approval is required.
 See pages 24 - 25 for details.

Protection Devices

- Standard:
- SoftEdge bottom profile with integral wireless breakaway device.
 - Up to an 8'0" high light grid built into the guide tracks.



Stainless steel design withstands the demands of every day wash-down in food processing applications.

Constructed of stainless steel components: roll tube/shaft, motor cover, guide tracks, control box and all hardware.



Easy To Clean

The 100 percent stainless steel construction makes cleaning a breeze. The guide tracks are easy to clean even with high pressure cleaning processes because there are no counter weights or springs to obstruct the cleaning process. The motor is completely enclosed in a protective cover.



Integral Photocell

The panel reversing edge, often susceptible to malfunctions in wet areas, is omitted because of the light weight door panel. The reflective panel reversing photocell, built onto the guide tracks, along with the flexible SoftEdge PVC bottom profile, reduces injury to personnel and damage to goods.



Durable Panel

Two integral panel stiffeners located above and below the vision area provide panel stability. The durable panel material maintains its appearance in harsh wash-down areas and is available in a variety of colors to coordinate with any building color requirements.

Speed-Commander™ 800 SF

Applications

Food processing, beverage.

Size Range / Operating Speed

Interior locations
up to 8'0" wide x 10'0" high.
Opening: Up to 80" per second.
Closing: 30" per second.

Panel

Constructed of stainless steel components including roll tube/shaft, door/motor cover, and all hardware. Anti-static, puncture resistant, nylon-reinforced PVC material. Weight: 58 oz. / sq. yd. Tear strength: 440 lbs. / sq. ft. Temperature rating: -22°F to +158°F.

Vision

Full-width x 35" high, clear PVC, starting at approximately 52" from the floor.

Colors

- Zinc Yellow (RAL 1018)
- Pure Orange (RAL 2004)
- Carmine Red (RAL 3002)
- Gentian Blue (RAL 5010)
- Agate Gray (RAL 7038)
- Pure White (RAL 9010)

Guide Tracks

Stainless steel.

Direct-Drive Motor

Compact, self-monitoring direct-drive motor has a patented built-in safety brake and is maintenance free.

Control Box

Unique Smart Start™ HFC1. See pages 24 - 25 for details.

Protection Devices

Standard:

- SoftEdge PVC bottom profile.
- One reflective style panel reversing photocell built into the guide tracks.



Speed-Master® Series 1600 L, 2600 and 4500 For Interior and Exterior Door Openings

Bulldog tough components, operational simplicity and dependable performance.

Speed-Master® 1600 L

The Speed-Master® 1600 L is designed for door openings up to 14'0" wide x 16'0" high. The operating speed of up to 60" per second up and 30" per second down helps to maintain environmental control and full perimeter draft seals provide dust and odor containment. A built-in light grid supports protection of personnel and goods at the doorway.



Speed-Master® 2600

For door openings up to 20'0" wide x 24'0" high, the Speed-Master® 2600 is the intelligent choice. Heavy duty steel guide tracks are hinged to conveniently open for ease in re-setting the door when required. The Smart Start™ HFC1 plug-and-play style control box makes powering up the 2600 a snap.



Speed-Master® 4500

Extra large door openings up to 30'0" wide demand nothing less than the Speed-Master® 4500. The rugged and dependable nature of the 4500 classify it as the ideal high performance door for demanding applications such as mass transit garages, warehouses and waste management facilities.





Manufacturing and industrial markets rely on the tough Speed-Master® 1600 L to maintain environmental control.

Operational simplicity and reliable performance you can believe in.



Built-In Light Grid

Standard on the Speed-Master® 1600 L is a light grid built into the guide tracks up to 8'0" high. Completely free of coil cords, the light grid provides a thorough wall of protection for personnel and equipment at the doorway.



HFCB 1-Phase Control Box

The Speed-Master® 1600 L accommodates the standard power sources readily available in most facilities. The HFCB control box is hardwired and standard with a 230 v / 1-phase / 60 Hz / 3-phase output power requirement.



Optional Smart Start™

The Smart Start™ HFC1 control box is available for all door sizes. Pre-wired electrical cables allow for quick and easy installation. The NEMA 4 rated enclosure with a 3 phase power requirement has a self-diagnostic LCD display which quickly identifies a malfunction, and user-friendly diagnostics reduce downtime.

Speed-Master® 1600 L

Applications

Manufacturing, general industrial, paper mills, breweries, government facilities, steel plants, airports, beverage, distribution, automotive retail, mass transit and more.

Size Range / Operating Speed

Exterior or Interior locations up to 14'0" wide x 16'0" high. Opening: Up to 60" per second. Closing: 30" per second.

Panel

Patented, sectional panel design, of ultra tough, reinforced, puncture resistant 1/8" thick Bulldog XT material, 90 oz. / sq. yd. Panels are connected with heavy duty aluminum hinge profiles.

Vision

Two, full-width vision areas made of high quality PVC are standard. Consult factory for additional vision areas.

Colors

● Black ● Blue ● Orange ● Gray

Guide Tracks

- Standard: 12 gauge, galvanized steel with removable front covers, 7-1/4" wide x 4-1/2" deep with up to an 8'0" high light grid built-in.
- Optional: Stainless steel.

Direct-Drive Motor

Compact, self-monitoring direct-drive motor has a patented built-in safety brake and is maintenance free.

Control Box

- Standard: HFCB 1-phase, hardwired for doors up to 10'0" wide x 10'0" high. HFC1 3-phase, 230 v or 460 v 60 Hz CUL-listed for doors over 10'0" wide x 10'0" high (optional on smaller doors).
- Optional: Smart Start™ HFC1 3-phase, hardwired on all sizes. See pages 24 and 25 for details.

Protection Devices

Up to an 8'0" high light grid built into the guide tracks.



The Speed-Master® 2600 is a popular choice of plant engineers and maintenance managers.

The Speed-Master® 2600 has a reputation for exceeding expectations.



Low-Profile Guide Tracks

The Speed-Master® 2600 has heavy duty hinged guide tracks made of heavy duty painted steel which conveniently open for ease in re-setting the door when required. The low-profile tracks are impact resistant and fit into most applications.



Cable / Spring Free

All Speed-Master® models are cable and spring free. The absence of moving parts within the guide tracks means there is no complicated re-set procedure if the door is hit, and maintenance costs are drastically reduced.



Summer / Winter Panel

The summer / winter panel is an option when insect control is desired without compromising ventilation and traffic flow. Our Screen-Master® mesh material can be interchanged with the solid Bulldog XT panels during warmer months and vice versa during cooler times of the year.

Speed-Master® 2600

Applications

Manufacturing, general industrial, paper mills, breweries, government facilities, steel plants, airports, beverage, distribution, automotive retail, mass transit and more.

Size Range / Operating Speed

Exterior or Interior locations up to 20'0" w x 24'0" h. Opening: Up to 36" per second. Closing: 30" per second.

Panel

Patented, sectional panel design, of ultra tough, reinforced, puncture resistant 1/8" thick Bulldog XT material, 90 oz. / sq. yd. Panels are connected with heavy duty aluminum hinge profiles.

Vision

Two, full-width vision areas made of high quality PVC are standard. Consult factory for additional vision areas.

Colors

● Black ● Blue ● Orange ● Gray

Guide Tracks

Hinged, 8" wide x 3-5/8" deep heavy duty painted steel.

Direct-Drive Motor

Compact, self-monitoring direct-drive motor has a patented built-in safety brake and is maintenance free.

Control Box

Smart Start™ HFC1. See pages 24 and 25 for details.

Protection Devices

Standard:

- Aluminum bottom profile with integral electric reversing edge.
- Two photocells.

Optional:

- Up to an 8'0" high light grid.



Warehouses, mass transit garages, waste management facilities, etc. depend on the rugged Speed-Master® 4500.

Trust the proven performance of the Speed-Master® 4500 to stand-up to your extreme environments.



Large Industrial Locations

The rugged and dependable nature of the Model 4500 makes it ideal for demanding applications such as transportation, waste management, mining and many others. Full perimeter draft seals provide dust and odor containment as well as general environmental control.



Low-Profile Design

The Model 4500 has hinged guide tracks made of heavy duty, painted steel. These unique low-profile tracks contain anti-friction strips, are impact resistant, fit into most applications and allow for quick and easy reinsertion of the panel.



Bulldog-Tough Panel

Patented, interlocking aluminum hinges act as integral windbars creating a sectional panel design. Sliding the panels apart without removing the entire roll assembly allows for inexpensive replacement, and a full-width vision area provides unobstructed viewing.

Speed-Master® 4500

Applications

Waste management, mass transit garages, warehouses, railway maintenance yards, steel plants, mining, manufacturing and general industry.

Size Range / Operating Speed

Exterior or interior locations up to 30'0" wide x consult factory. Opening: Up to 24" per second. Closing: 24" per second.

Panel

Patented, sectional panel design, of ultra tough, reinforced, puncture resistant 1/8" thick Bulldog XT material, 90 oz. / sq. yd. Panels are connected with heavy duty aluminum hinge profiles.

Vision

Two full-width vision areas starting approximately 35" off the floor, made of high quality PVC are standard. Consult factory for additional vision areas.

Colors

● Black ● Blue ● Orange ● Gray

Guide Tracks

Hinged, 8" wide x 3-5/8" deep heavy duty painted steel.

In-line Drive Motor

7.5 HP with 4-position limit switch.

Control Box

CUL-listed PLC programmable NEMA 4.

Protection Devices

- Aluminum bottom profile with integral electric reversing edge.
- Two photocells.



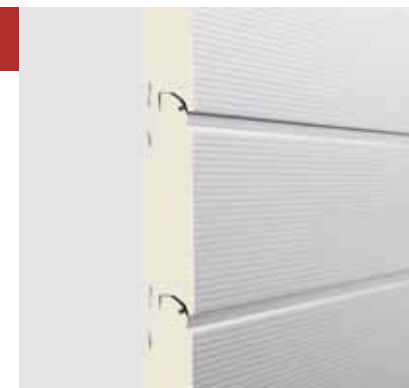
Low headroom available Fall 2011

Speed-Guardian™ 4000 U For Exterior and Interior Door Openings

A cutting-edge door system that provides maximum insulation, superior safety and ultimate speed.

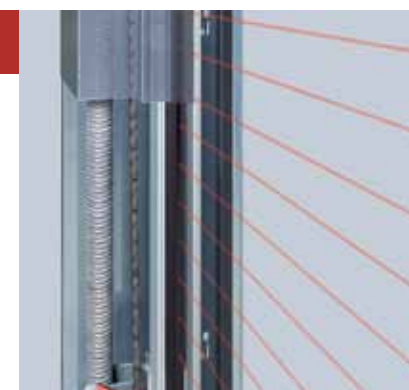
Urethane Panel Sections

The 1-5/8" thick door panel made of hot-dipped galvanized steel, provides a durable and lasting surface. A urethane core with an R-value of 13.6 and U-value ≤ 0.5 (U-value of core and steel skin) provides optimal insulation, reduces loss of conditioned air and contributes to energy savings. Synthetic panel connectors provide an extremely smooth and quiet door operation.



Built-In Light Grid

The standard light grid is integral with the guide track making it less susceptible to damage by passing loads. 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.



Duratec® Insulated Windows

The Duratec® insulated windows are coated with a special finish which prevents marks and scratches caused by cleaning, and retain clear view after many cleanings. The synthetic double panes provide good thermal insulation while being fully transparent. The Speed-Guardian™ 4000 U door is available with a complete vision panel, designed for the pleasing aesthetic appeal some applications require.





Perfect for condominiums, new car dealerships, fire stations, armored car facilities, sally ports and secure parking garages.

Every detail illustrates innovative technology, smart design and superior craftsmanship.



Easy To Repair

In case of damage, our panel connectors make it possible for individual sections to be quickly and easily replaced. This reduces maintenance, downtime and repair costs.



Condos & Auto Retail

For applications that demand aesthetic appeal and reliability, the Speed-Guardian™ 4000 U will leave a positive impression. Employees working in the area of the door opening will appreciate its thermal qualities and fast operating speed.



Ventilation Slat Option

Our exclusive double-wall aluminum ventilation slats are a desirable choice when ventilation is required, without sacrificing security. Parking garages and condominiums are ideal applications for ventilation slats.

Speed-Guardian™ 4000 U

Applications

Automotive retail, condominiums, parking garages, government facilities, manufacturing and industrial.

Size Range / Operating Speed

- Exterior or interior locations up to 22'0" wide x 20'0" high.
- Full-view available for doorways up to 16'0" wide x 18'0" high.
- Opening: Up to 80" per second.
- Closing: 24" per second.

Panel

1-5/8" thick x 10" high panel sections are made of hot-dipped galvanized steel with a urethane foam core and have an R-value of 13.6. Section joints with intermediate seals create a pinch resistant panel. The standard color is RAL 9006 White Aluminum on both the exterior and interior.

The exterior surface comes with a Micrograin™ finish, the interior is stucco-textured. Special paint colors are available upon request.

Comparing R-value and U-value

R-value refers only to the panel's resistance against energy loss. U-value is an internationally recognized measurement tool that provides data about the energy flow lost through the total panel construction including the panel, seals, windows, etc. The 4000's solid sections provide the most efficient U-value available today.

Vision Options

- 7" high, double-pane windows with vertical reinforcement and black window frames. Duratec® synthetic glazing enables the windows to retain clear view even after many cleanings and with heavy use.
- Complete vision panel has windows running the entire height of the door.

- Ventilation slats for applications that require ventilation and security.

Guide Tracks

Guide tracks, made of hot-dipped galvanized steel, have an enclosed chain and integral light grid. The chain requires no re-tensioning and is resistant to distension.

Direct-Drive Motor

Compact, self-monitoring direct-drive motor has a patented built-in safety brake and is maintenance free.

Control Box

Unique Smart Start™ HFC1. See pages 24 - 25 for details.

Protection Devices

Up to an 8'0" high light grid integral with the guide tracks. Emergency opening via hand chain hoist and spring counter-balance.



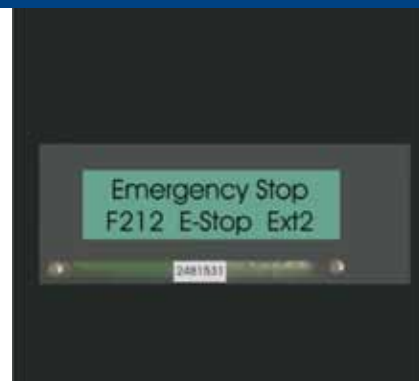
Smart Start™ HFC1 control box
An easy and convenient way to power up our doors.

HFCB control box
Accommodates common single phase power sources.



Reduce Installation Time

Electrical cables are pre-wired for quick and easy installation. NEMA 4 rated enclosure with a standard power requirement of 460 v / 230 v / 3 phase / 60 Hz accommodates a wide variety of applications.



Minimize Downtime

A self-diagnostic LCD display quickly identifies the type of malfunction, and user-friendly diagnostics reduce downtime. A 24 / 7 watchdog system provides protection from power surges that could damage the system.

Fourth generation German technology, proven worldwide, provides the product sustainability and durability you are looking for. The HFC1 control box is CUL-approved and comes with our solid product warranty and promise as a manufacturer that you can trust our products to be there for many years to come.

The control's compact dimensions accommodate areas with limited space, and its soft start and soft stop minimize wear to provide a long service life. The simple plug-and-play design minimizes installation time.



Save on Initial Investment

For a more economical initial investment, our HFCB control box is an appealing choice. The HFCB control box is hardwired and standard with a 230 v / 1-phase / 60 Hz / 3-phase output power requirement.



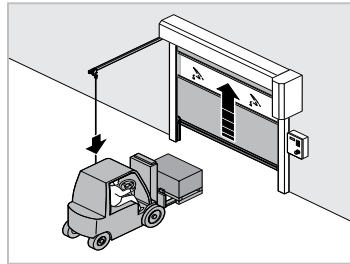
Limit Downtime

A self-diagnostic LCD screen easily identifies details of a malfunction and displays clear codes. Conveniently located up / down / stop buttons easily access diagnostic parameters for fast troubleshooting, and may also be used to operate the door.

The HFCB control box accommodates the standard single phase power source readily available in most facilities and is standard on all sizes of the Speed-Commander™ 1400 SEL, as well as on the Speed-Master® 1600 L for doors up to 10'0" w x 10'0" h.

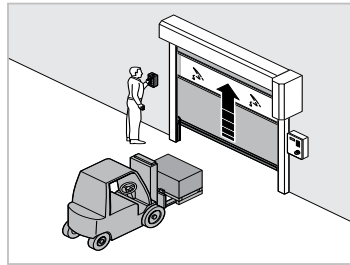
The sleek design and compact dimensions enable the HFCB to fit into even the most restricted locations.

Activation Options



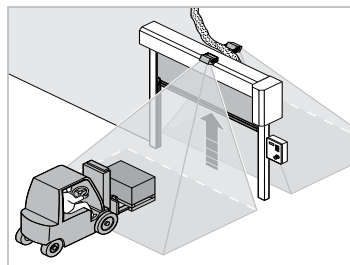
Pull Cord

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



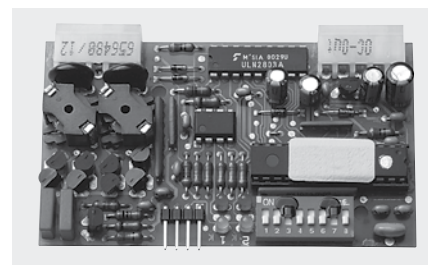
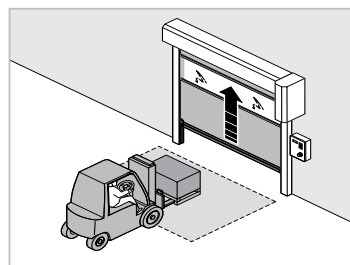
Push Button

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



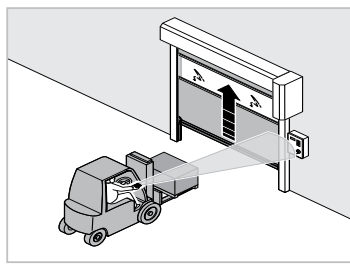
Motion / Presence Detector

- Activates when equipment or personnel enter the detection area.
- Weather-resistant enclosure.
- Housing protection category IP54.



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.

Protection Devices



Light Grid

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 grids are standard on the Speed-Commander™ 1400 SEL (shown on left), Speed-Master® 1600 L and Speed-Guardian™ 4000 U. Consult the factory when considering the use of a light grid on the other high performance door models.



Radar Motion Detector (Activation and Protection Device)

The model HF-M provides directional recognition and is selected when added protection is required in areas where environmental control is desired. Energy costs for lost heat or air conditioning can be reduced because the unwanted opening of doors can largely be reduced through the recognition of personnel and vehicular traffic. The HF-M can also be retrofit to existing door systems and has a housing protection category of IP65 (NEMA 4X).



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. Recommended for locations with a lot of pedestrian traffic, this device substantially increases safety around the door opening because the door will not close as long as a person or object is present in the door range.



Red / Green Warning Light

This highly visible warning light has a lightweight plastic housing and turns green for 'go' and red for 'stop.' The red / green warning light is specified when specific traffic directions are desired.



Beacon Light

The plastic housing contains a highly visible yellow beacon light which lights up and rotates indicating that the door is opening or closing. The beacon light is specified when only a visual reminder of door movement is required.



Horn

A horn may be used alone when only an audible indicator is desired, or it may be applied in combination with a light accessory as an additional indicator that the door is opening or closing.

Ask about special application of activations such as dual height capability and many others. Photos are representative of current designs and are subject to change.

Everything you've wanted in a high performance door, and more.



German Engineered, American Made

Our promise to you.

As one of the world's leading manufacturers of doors, we're committed to providing the best quality, value, and selection. Whether industrial or commercial, a high performance door or loading dock equipment,

we have the door or dock product you're looking for. The Hörmann Flexon product line gives you the ability to accommodate any door or dock application with the right product from one manufacturer.



Screen-Master® Insect Control Barriers



Flexidoor® Impact Doors



Loading Dock Equipment

