



SPEED GUARDIAN™ 5000

High-speed rigid doors

Modern, secure and reliable high performance doors

HÖRMANN



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.

Quality Features of a Cutting Edge Door System

Easier installation, less maintenance, great reliability



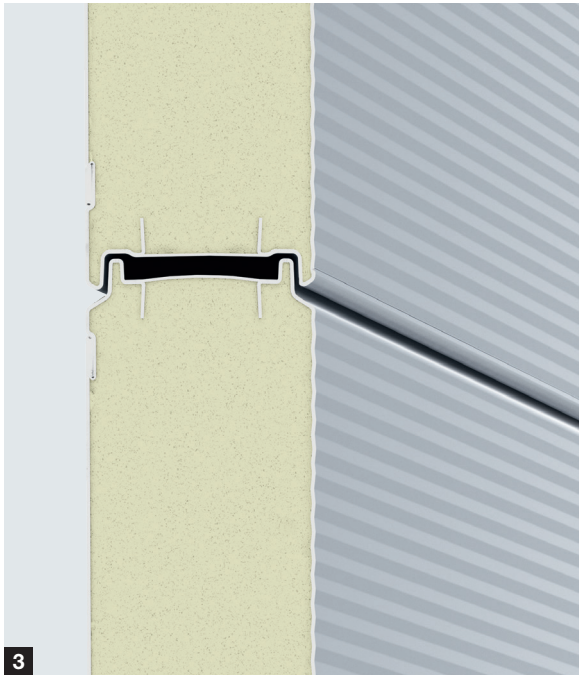
NON-CONTACT PROTECTION 1

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.



LONG SERVICE LIFE AND HIGH EFFICIENCY AS STANDARD 2

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.

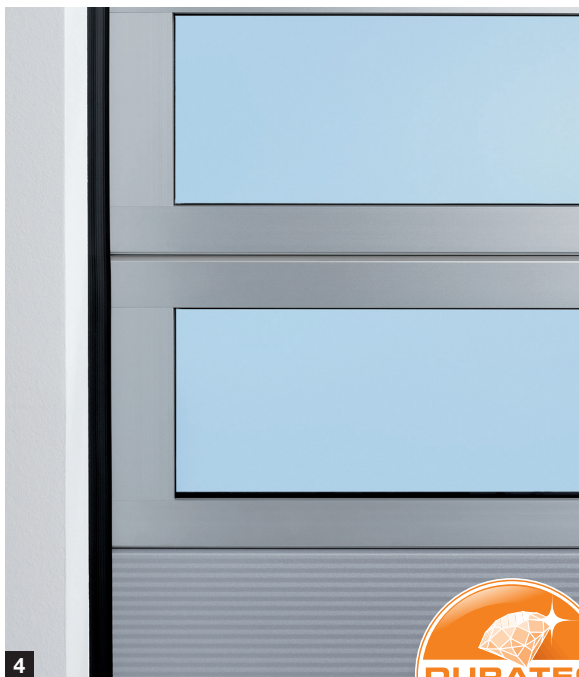


UNIFORMLY FOAMED STEEL SECTIONS 3

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

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 4

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.





THERMALLY INSULATED EXTERIOR DOORS

High speed rigid doors with thermally separated steel slats reduce energy losses through a rapid door opening and offer safer insulated night closure.



TOP RIGHT: The space-saving track application LH (low headroom)

BOTTOM RIGHT: The adjustable H (high-lift) and V (vertical-lift) track application

Speed-Guardian™ Model Features

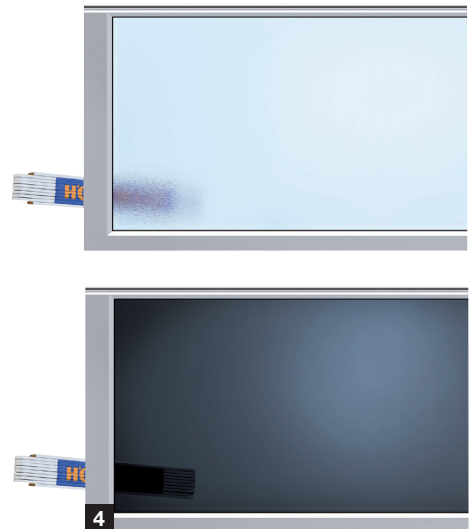
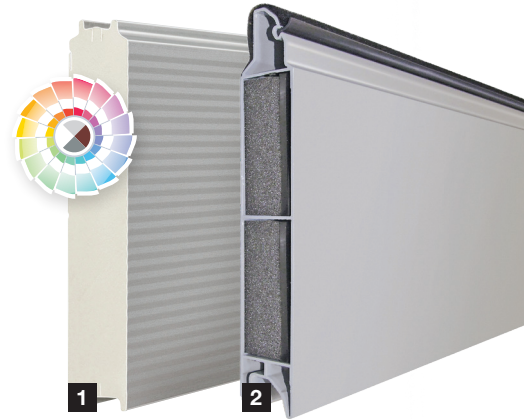
Section with thermal break and effective thermal insulation

- 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. **1**
- 42 mm slat on Acoustic model has aluminum hollow profiles filled with 5 mm PVC and 30 mm PU-foam. **2**
- Surface finishes and colors: A Micrograin™ surface on the exterior and Stucco surface on the interior. Exterior and interior colors are based on RAL 9006 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. **3**

- 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. **4**
- 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.



Speed-Guardian™ Models

Models with individual track designs for every application

SG 5000 C U 42 1

- 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 16'0" h.
- Chain mechanism and springs.



SG 5000 CV 42 1

- 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 LP 42 2

- 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 3

- Maximum dimensions: Model U: 18'0" w x 21'4" h / Model CV: 18'0" w x 14'0" 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 4

- 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 5

- 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.

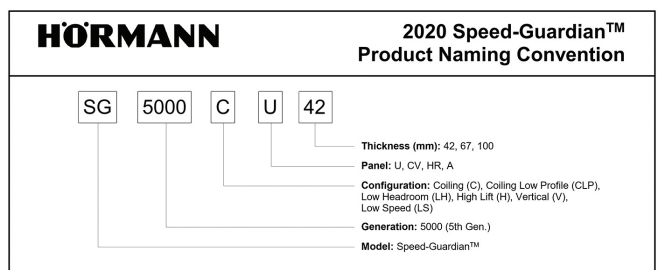
Hurricane rated models 6

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.



Exclusive Hörmann Accessories

Tools for enhancing protection and promoting proactive technical support



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.



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.



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.

Frequency converter control

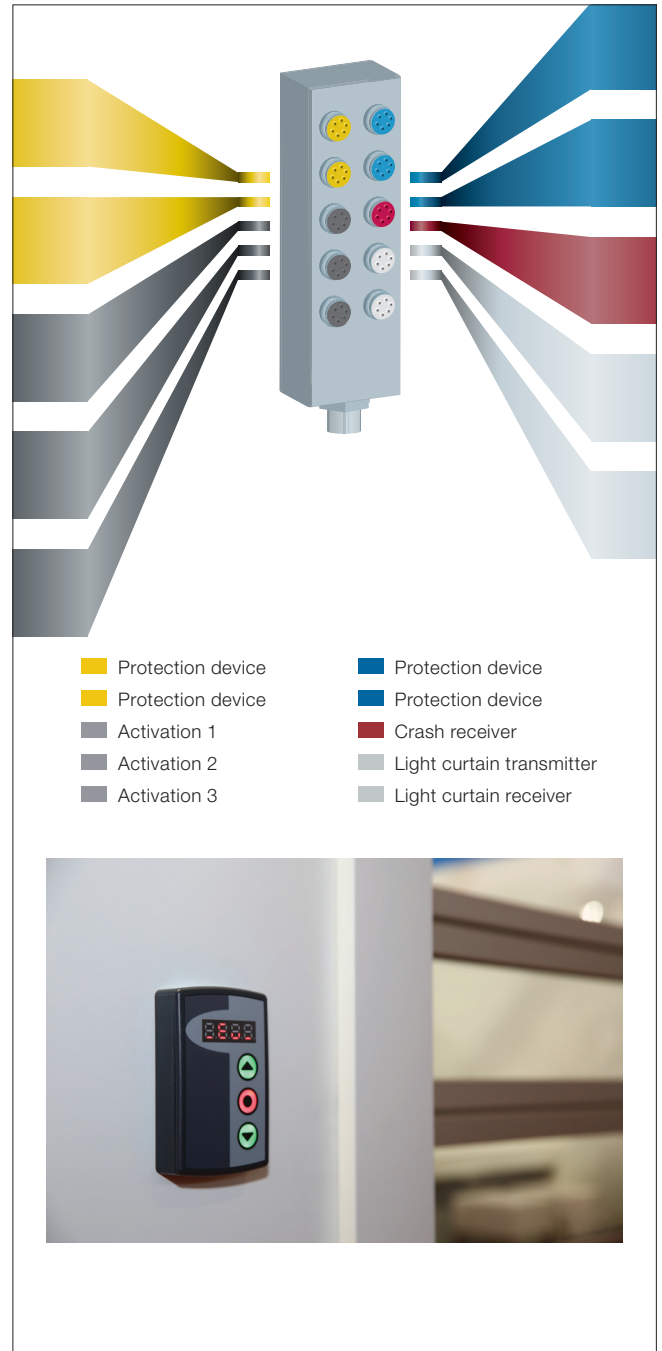
High performance frequency converter controls (FU) feature higher speeds and relieve the complete door mechanism which, in turn, extends the service life of the door considerably. The next generation Smart Start™ NXT, NEMA 4X, control box has a simplified wiring configuration and is more powerful, has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

The advantages at a glance

- Door cycle counter
- Operation time monitoring
- Automatic timer (adjustable hold-open phase)
- Error display / diagnosis via a 4 × 7-segment display
- Service operation setting
- Color-coded plug-in control wiring

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.



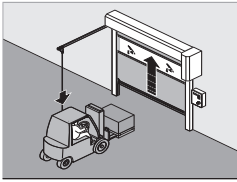
Energy Analysis Report

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.

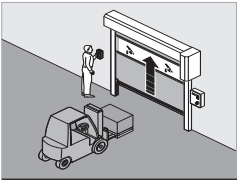
Activation

Options for operation



Pull Cord

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



Push Button

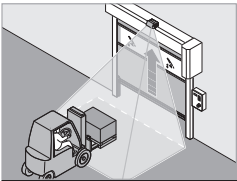
- Single, double or triple button.
- NEMA 4 rated.

Mushroom Push Button

- NEMA 4 rated.

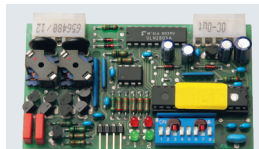
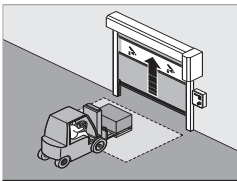
Finger-Scan

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



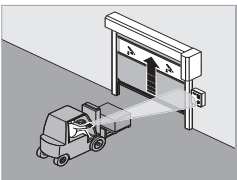
Radar / Motion Detector

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



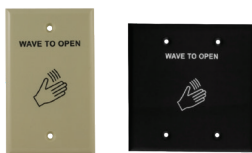
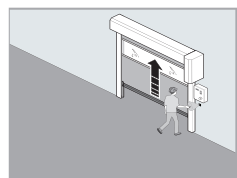
Induction Loop Detector

- 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.

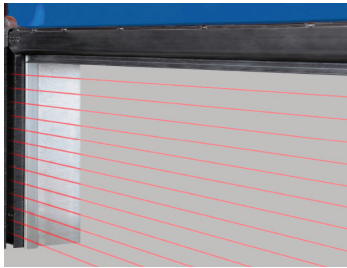


Touchless Activation Switch

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

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



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.

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 L¹⁹ Eco

Consult factory for these models:

SC 1400 SEL¹⁹
SC 1400 MP
SC 1400¹⁹ Clean-Master 20 Pa
SC 1400¹⁹ Cool-Master
SC 1400¹⁹ Food-Master
SC 1500 Compact
SM 1600 L¹⁹ (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 signalling 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 SEL¹⁹
SC 1400 MP
SC 1400¹⁹ Clean-Master 20 Pa
SC 1400¹⁹ Cool-Master
SC 1400¹⁹ Food-Master
SM 1600 L¹⁹ (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 SEL¹⁹
SC 1400¹⁹ Clean-Master 20 Pa
SC 1400¹⁹ Cool-Master
SC 1400¹⁹ Food-Master
SC 1500 Compact
SM 1600 L¹⁹
SM 1600 XL¹⁹
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

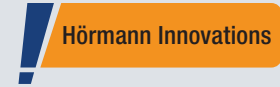
Compatible door types

SC 1400 SEL¹⁹
SC 1400¹⁹ Clean-Master 20 Pa
SC 1400¹⁹ Cool-Master
SC 1400¹⁹ Food-Master
SC 1500 Compact
SM 1600 L¹⁹
SM 1600 XL¹⁹
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

Exclusive Hörmann Service Support APP

Technical support at your fingertips

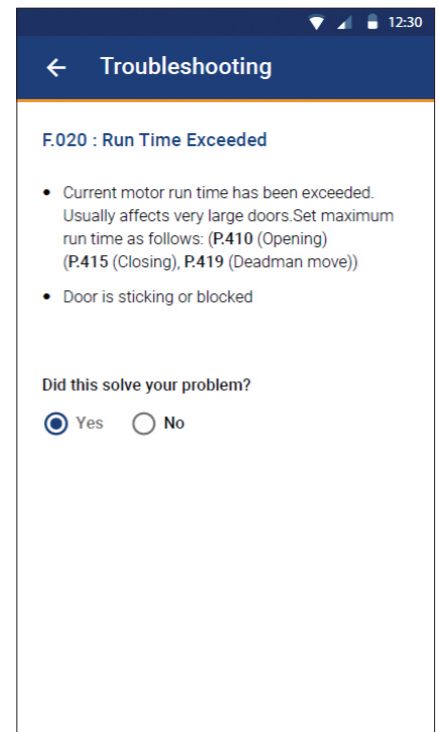
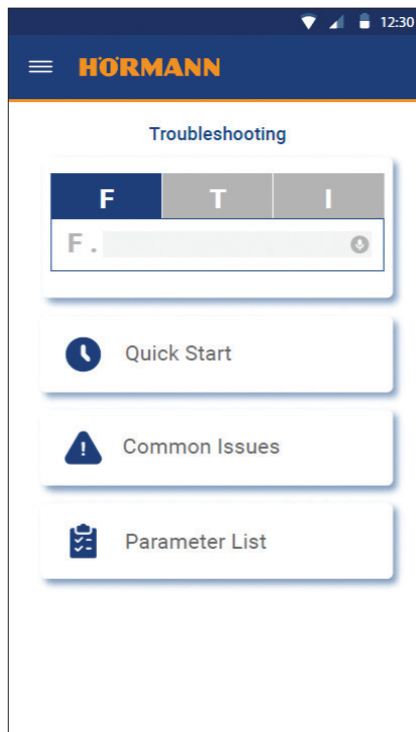
Download our service support APP
for iOS and Android
at the App Store or Google Play



Save time

For installers servicing our doors, our Service Support APP is available as a free download from the App Store or Google Play.

Everything from a Quick Start guide, to troubleshooting common issues and resolving fault codes that appear on the control box LED display, may be addressed using our APP. Service technicians have the answers they need at their fingertips, eliminating a call to our technical support department while having immediate access to the answers they need.



HÖRMANN NORTH AMERICA



Sparta, TN - North American Headquarters / Sectional Doors

FIVE PRODUCTION PLANTS, ONE FAMILY



Puyallup, WA - Sectional Doors



Montgomery, IL - Sectional Doors



Barrie, ON Canada - High Performance Doors



Burgettstown, PA - High Performance Doors

As one of the world's leading manufacturers of doors we're committed to providing the best quality, value, and selection. Whether residential, commercial or industrial, we have the door you're looking for. Each Hörmann product gives you the perfect array of benefits and options to satisfy your customers.

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