

GARAGE DOOR OPENERS AND ACCESSORIES

ABOUT US

Being more than 25 years on the market the company KRUŽÍK s. r. o. is now a traditional manufacturer of sectional residential and industrial doors, gates and entrance doors. We are a Czech family company without foreign funds. Our rich experience in manufacturing and business in both the domestic and European markets ranks us among the biggest Central European manufacturers of residential and industrial garage doors. The residential and industrial doors are always precisely made to measure and that's why we achieve to exactly fill the building opening. We are capable of manufacturing doors for almost any dimension and shape of opening. The sectional garage doors, industrial doors, rolling shutter doors, double-leaf doors and side sectional doors produced by our company will satisfy even the most exacting customers, namely both in the view of manufacturing quality and in the view of design and material. The KRUŽÍK doors are always manufactured from high quality 40 mm panels with steel surface and excellent thermo-insulating characteristics. Alternatively the sections can be made from aluminium profiles. As a very first European manufacturer we own new printing technology DURA PRINT. This new and unique digital printing technology DURA PRINT allows us to print almost any motif on both residential and industrial doors according to customer's wish. Our goal is to satisfy the customer not only with the quality of our products for a reasonable price, but also to give a very personal approach, such as a personal meeting, an individual approach to every contract, the possibility of technical analysis and individual solution, quick delivery of spare parts and so on.





GARAGE DOOR OPENERS AND ACCESSORIES

Currently there are a lot of different garage door openers and their accessories on the market. Everybody can choose a motor according to his needs. Openers are divided by type of the garage door and needed force. Our company uses only the high quality garage door openers which successfully passed long term testing in laboratories and which conform to the strict European norms.

Twin-Hall Technology

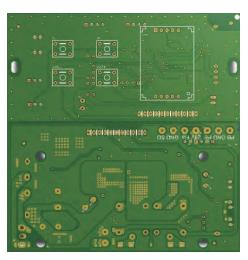
Twin-Hall Position Limiting Technology is a registered patent of Force Door Technology Co., Ltd.

Hall effect is one kind of magnetoelectric effect, which was found by Mr. A. H. Hall in the year 1879. Through Hall Effect, we can get the Hall Value from Bias current and Magnetic field strength. These Hall Values can give us very important information about carrier mobility.

Force Twin-Hall Technology is developed from Single-Hall system. Compared with the classic Single-Hall, built-in twin-encoder and synchronizing device provides a high precision of door stop in extreme positions and allows you to control the desired speed of door leaf. Twin-Hall control boards are manufactured in accordance to meet all requirements of all applicable safety standards.

Compared with Single-Hall Technology, Twin-Hall has the obvious advantages: »





Without Micro-Switch

 $\label{thm:micro-switch} \mbox{Micro Switch is an important part for the Single-Hall system.}$

Due to the switch is a plastic and mechanical part, it is easy to be broken, and after long time use, the mechanical structure would be damaged.

Higher Precision

Higher precision comes from the 2 Hall Chips.

- -1 Hall is monitoring the laps of gear motor running.
- -1 Hall is monitoring the direction of the gear motor running.
- -1 Hall Distance is 2.54mm.

1 Lap of motor running can move 1cm of garage doors.

Based on the data from distance and direction, additional with the frequency of Halls recording we can get the conclusion that Force garage door openers can offer a extremely high precision on the position limit of garage doors.

Self-Adjustment

Above the high precision, self-adjustment is really necessary.

- -every garage door has a different weight.
- -every garage door has a different spring power.
- -every garage door has a different maintenance condition.

Based on these self-adjustment of position limit is necessary to work perfectly on every garage doors.

Self-adjustment is to adjust position limit of your garage doors automatically to avoid any problem of not fully opened or closed.

FORCE DOOR

Force Technology Co., Ltd. is located in the beautiful city Wuxi, with only 90km to Shanghai, it doesn't only give us modern designing idea, and convenient transportation. With 10 years experience in Garage Door Automation field, Force garage door opener becomes famous, and widely accepted in America, European, African markets. Force Technology Co., Ltd. is being a leading direct manufacturer of garage door openers. With well cooperated team in Force company, we focus on the core competitive power of being a professional garage door opener, which is handling the high technology and programing ability. With the attitute of committed to quality products, innovative designs and comprehensive services, it will make Force products your best choice of "Home automation".





PARAMETER

| ARC | FS600 | FS1000 |
|--------------------|------------------------------|---------|
| Input voltage | 220-240V/ 110-127V , 50-60HZ | |
| Max. door area | 7,5 m² | 12 m² |
| Max. lifting force | 80KG | 100KG |
| Max. opening speed | 160mm/s | 160mm/s |

| Soft start/stan | L E D 0 Minutes Off Dalace |
|---------------------------------|---------------------------------|
| Soft-start/stop | L.E.D 3 Minutes Off Delay |
| Transformer Overload Protection | Photo Cell ON/OFF Setting |
| 433MHz/Rolling Code | Electronic Travel Limit Setting |
| Reset Factory Setting | Automatic Closing Time Setting |
| More Information Display | |





PARAMETER

| Doormax | FS 600/FS 600 Speed | FS 1000/FS 1000 Speed | FS 1200 |
|----------------------|---------------------|-----------------------------|---------|
| Input voltage | 22 | 220-240V/ 110-127V, 50-60HZ | |
| Max. opening speed | 160mm/s - 200mm/s | 160mm/s - 200mm/s | 160mm/s |
| Max. door height | | 2400-3000mm | |
| Bottom base material | Metal | | |
| Drive mechanism | Chain/Belt | | |
| Max. door area | 7,5 m² | 12 m² | 15 m² |
| Max. lifting force | 80kg | 100kg | 130kg |



| Soft-start/stop | L.E.D 3 Minutes Off Delay |
|----------------------------|---------------------------------|
| Terminal Devices Supported | Photo Cell ON/OFF Setting |
| 433MHz/Rolling Code | Electronic Travel Limit Setting |
| Reversal Force Setting | Automatic Closing Time Setting |
| More Information Display | Transformer Overload Protection |









RC02



RC04



RC05



PARAMETER

| Ultimate | FS 600/FS 600 Speed | FS 1000/FS 1000 Speed | FS 1200 |
|----------------------|---------------------|-----------------------------|---------|
| Input voltage | 22 | 220-240V/ 110-127V, 50-60HZ | |
| Max. opening speed | 160mm/s - 200mm/s | 160mm/s - 200mm/s | 160mm/s |
| Max. door height | 2400-3000mm | | |
| Bottom base material | Metal | | |
| Drive mechanism | Chain/Belt | | |
| Max. door area | 7,5 m² | 12 m² | 15 m² |
| Max. lifting force | 80kg | 100kg | 130kg |

| Soft-start/stop | Photo Cell ON/OFF Setting | Status Display Remote |
|----------------------------|---------------------------------|---------------------------------|
| Maintenance Alarm | Electronic Travel Limit Setting | Reversal Height Setting |
| 433MHz/Rolling Code | Transformer Overload Protection | Travel Speed Setting |
| Reset Factory Setting | Half-Open/Height Setting | Maximal Remote Quantity Setting |
| Reversal Force Setting | Pass Door Switch Type Setting | |
| More Information Display | L.E.D Off Delay Time Setting | |
| Terminal Devices Supported | Automatic Closing Time Setting | |





RC01

PARAMETER

| Advanced+ | FS 600/FS 600 Speed | FS 1000/FS 1000 Speed | FS 1200 |
|----------------------|-----------------------------|-----------------------|---------|
| Input voltage | 220-240V/ 110-127V, 50-60HZ | | |
| Max. opening speed | 160mm/s - 200mm/s | 160mm/s - 200mm/s | 160mm/s |
| Max. door height | 2400-3000mm | | |
| Bottom base material | Metal | | |
| Drive mechanism | Chain/Belt | | |
| Max. door area | 7,5 m² | 12 m² | 15 m² |

100kg

130kg

80kg

RC02



FEATURES

Max. lifting force

| Soft-start/stop | Photo Cell ON/OFF Setting | Status Display Remote |
|----------------------------|---------------------------------|---------------------------------|
| Maintenance Alarm | Electronic Travel Limit Setting | Reversal Height Setting |
| 433MHz/Rolling Code | Transformer Overload Protection | Travel Speed Setting |
| Reset Factory Setting | Half-Open/Height Setting | Maximal Remote Quantity Setting |
| Reversal Force Setting | Pass Door Switch Type Setting | |
| More Information Display | L.E.D Off Delay Time Setting | |
| Terminal Devices Supported | Automatic Closing Time Setting | |









RC01



| Oreo | FS 600/FS 600 Speed | FS 1000/FS 1000 Speed | FS 1200 |
|----------------------|-----------------------------|-----------------------|---------|
| Input voltage | 220-240V/ 110-127V, 50-60HZ | | |
| Max. opening speed | 160mm/s - 200mm/s | 160mm/s - 200mm/s | 160mm/s |
| Max. door height | 2400-3000mm | | |
| Bottom base material | Metal | | |
| Drive mechanism | Chain/Belt | | |
| Max. door area | 7,5 m² | 12 m² | 15 m² |
| Max. lifting force | 80kg | 100kg | 130kg |





RC03

| Soft-start/stop | Photo Cell ON/OFF Setting | Status Display Remote |
|----------------------------|---------------------------------|---------------------------------|
| Maintenance Alarm | Electronic Travel Limit Setting | Reversal Height Setting |
| 433MHz/Rolling Code | Transformer Overload Protection | Travel Speed Setting |
| Reset Factory Setting | Half-Open/Height Setting | Maximal Remote Quantity Setting |
| Reversal Force Setting | Pass Door Switch Type Setting | |
| More Information Display | L.E.D Off Delay Time Setting | |
| Terminal Devices Supported | Automatic Closing Time Setting | |









RC01



| Uno | FS 600/FS 600 Speed | FS 1000/FS 1000 Speed | FS 1200 |
|----------------------|---------------------|-----------------------------|---------|
| Input voltage | 22 | 220-240V/ 110-127V, 50-60HZ | |
| Max. opening speed | 160mm/s - 200mm/s | 160mm/s - 200mm/s | 160mm/s |
| Max. door height | 2400-3000mm | | |
| Bottom base material | Metal | | |
| Drive mechanism | Chain/Belt | | |
| Max. door area | 7,5 m² | 12 m² | 15 m² |
| Max. lifting force | 80kg | 100kg | 130kg |





RC03

| Soft-start/stop | Photo Cell ON/OFF Setting | Status Display Remote |
|----------------------------|---------------------------------|---------------------------------|
| Maintenance Alarm | Electronic Travel Limit Setting | Reversal Height Setting |
| 433MHz/Rolling Code | Transformer Overload Protection | Travel Speed Setting |
| Reset Factory Setting | Half-Open/Height Setting | Maximal Remote Quantity Setting |
| Reversal Force Setting | Pass Door Switch Type Setting | |
| More Information Display | L.E.D Off Delay Time Setting | |
| Terminal Devices Supported | Automatic Closing Time Setting | |







Remote Control **RC01** 4-channel



Remote Control **RC05** 3-channel with indication



Universal Receiver (for 500 controllers) **UR01** 4-channel



Premium Series Wireless Wall Switch **WWS03** 3-channel



Remote Control **RC02** 4-channel



Remote Control **RC06** 3-channel



Photo Cell **PC01**



Lithium Battery **BB04**



Remote Control **RC03** 3-channel with indication



Wireless keypad **WK01** 2-channel



SD Protection Device **SD01** (in progress)



Key Switch **KS01** wire, contains 2 keys



Remote Control **RC04** 4-channel



Premium Series Wireless Keypad **WK02** 2-channel



3 Button Wireless Wall Switch **WWS01** 3-channel



Warning Light **WL01** 12V AC / 24V DC

ACCESSORIES

DURA PRINT by FRUŽÍK

SD01 WIRELESS PROTECTION DEVICE

Transmitter

Transmitter for pedestrian doors. Contact-free magnetic detector Range(nominal): 10 meters Power supply: two 1,5V AA type batteries

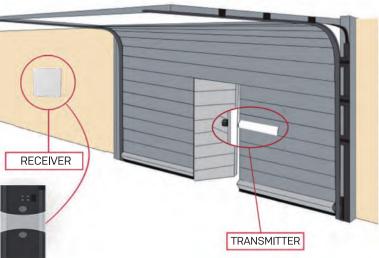
Operating consumption: 12mA

Receiver

Box receiver for garage doors Outputs: 2 relays with selectable operating mode.

They can behave as if they were a safety edge or a closed security contact.

Range(nominal): 10 meters Power supply: 12/24V ac/dc







AUTHORISED SELLER:



WWW.DURAPRINT.CZ WWW.KRUZIK.EU

HEADQUARTERS KROMĚŘÍŽ

Veleslavínova 2357 767 01 Kroměříž Czech Republic tel.: +420 573 336 233

fax: +420 573 343 582 e-mail: kruzik@kruzik.cz

KRUZIK UKRAINE

s. Ivanivtsi, ul. Miru, 3 Mukachevo 89622 tel.: +38 0964585699 tel.: +38 0505235969 e-mail: kruzik@kruzik.com.ua www: www.kruzik.com.ua

