

// **With mechanical door security kit. Patented!**



# SupraMatic H Garage Door Operator

Ideal for Multiple Dwellings with Collective Garages



# The Strongest SupraMatic ever!

## For collective garages with up to 20 parking spaces

### Tested to standards for your safety

with Hörmann garage doors:  
Series 40 sectional doors,  
N80 up-and-over doors, DF 98  
as well as EcoStar garage doors

Directive 98/37/EG		✓
ZH 1/494	4/89	✓
EN 12453	2/01	✓
EN 12604	8/00	✓
Directive 73/23/EWG		✓
VDE 0700 Part 238	10/83	✓



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Ideal for up-and-over  
and sectional garage  
doors



## Hörmann SupraMatic H

With deluxe accessories for individual solutions

**This operator featuring advanced technology is perfectly matched to Hörmann garage doors. It can also be fitted to all other makes of up-and-over and sectional garage doors.**

**Push and pull force: 1000 N**

**Your Hörmann specialist will be happy to advise you.**



Patented door security kit



7-segment display

### Amazingly simple to programme

You only need to press the "OPEN" (↑) and "CLOSE" (↓) buttons once, and already the electronics have tuned themselves to your garage door. Further functions can also be quickly and easily set using the 7-segment display.

No other operator makes it this easy!

### Only Hörmann offers this door security kit

When the door closes, the door security kit engages into the boom stop. The most effective protection to prevent the door from being forced open (a Hörmann patent).

This mechanical door security kit functions at all times - even during a power failure!

### "Soft" start and "soft" stop

The door opens gently and completely jolt-free. Gradual braking in the final closing phase brings the door to a gentle halt, so quiet-closing is guaranteed. The final phase of opening and closing can now be adjusted to every door type.

Door and operator are subjected to minimum wear and no-one is disturbed during the night.

### The reliable automatic cut-out

On encountering an obstruction, the door stops immediately and is automatically raised by approx. 30 cm. The automatic cut-out is self-testing and, if necessary, also self-readjusting.

So it is impossible for anything to get trapped.

## Burglar-resistant

thanks to the patented door security kit

## No-one is disturbed during the night

thanks to the “soft” start and “soft” stop

## Nothing can get trapped

thanks to the reliable automatic cut-out

## Super-quiet and maintenance-free

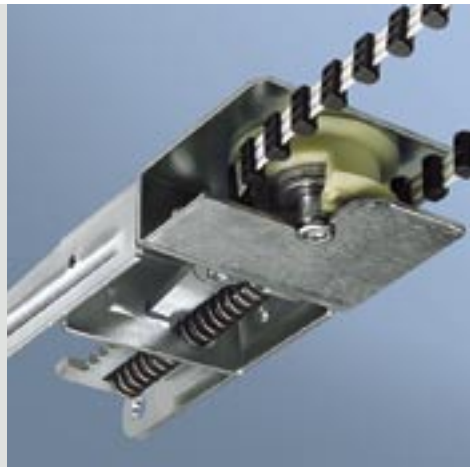
thanks to the self-tensioning toothed belt

## High quality materials

expertly finished

## A long service life

thanks to the sturdy construction



### The self-tensioning toothed belt is entirely maintenance-free

The major advantage of the patented toothed belt over all other competing operators: no rattling, but instead a super-smooth, super-quiet belt action. No greasing or oiling necessary, so there's nothing to drip onto your car roof.

### A further crucial advantage:

There's no need for retensioning. Only the Hörmann toothed belt is self-adjusting. The guide roller runs on ball bearings to withstand the rigours of frequent daily use.

### The operator motor with

special power reserves  
Specifically designed to cope with the heavy duty that underground and collective garages are subjected to.

## Each Individual Operator Is Thoroughly Tested

That's something you can rely on.



4-button security hand transmitter



2-button hand transmitter with holder



4-button hand transmitter with holder



2-button mini hand transmitter with key-ring



4-button mini hand transmitter with key-ring



2-button micro hand transmitter with key-ring

## A Wide Range of Accessories

### Geared to your requirements

#### The hand transmitters

With the hand transmitter you can control your garage door and, for example, the barrier as well outdoor lighting (separate Hörmann receiver required).  
Radio frequency: 868.3 MHz

#### The red security hand transmitter for the house management

This is the "general pass key" for the collective garage. Only from this security hand transmitter can the code for the garage users be transferred. This offers a high level of security, particularly when a tenant moves out.



#### The key switches

As a recessed version for fitting into the wall and as a surface-mounted version for screwing onto the wall.

All four key switches are suitable for impulse and direction selection.

All the push-button/key-switch units are supplied with 3 keys.

#### Digital coders

Digital coders offer maximum security against unauthorized opening of the door. You simply enter your own personal combination code - a key is no longer needed.

The deluxe version allows you to open a preceding barrier and switch on the outdoor lighting.

#### The light circuit board

The light circuit board that switches the garage light on whenever the door is opened.



#### The code modulator

With a code modulator you can actuate up to ten operators. It's a wireless system, so there's no need to lay cabling.



#### The transponder key switch

You simply hold the transponder key with your own personal code approx. 2 cm in front of the reader. No contact needs to be made! Extremely important: if a tenant should move out, a stored code can be deleted at any time and a new one entered in its place. 2 keys are included.



#### The push button

Extremely practical if you want a convenient way of opening and closing the door from inside the garage. Can also be installed in stairwells and lifts. (A push button is included in the supply package).



#### The pull switch

The simplest way to open your garage from the inside.



#### Photocell

Vehicles and persons are immediately recognized. Nothing can collide. Either the door doesn't move in the first place, or if already in motion, it stops immediately and travels a short distance in the opposite direction. If the door features an automatic timer function, i.e. door automatically closes again after opening, then it is important that a photocell is fitted.

**Your Hörmann specialist will be happy to advise you.**



## Special Accessories

For safe and secure access

### The posts

With code key, code modulator  
key or transponder key.

Diameter of base: 300 mm

Overall height: 1250 mm

Operating height: 1050 mm



### The receiver

If you switch on additional outdoor lighting and want, for example, to open a barrier (other brand) with the hand transmitter, you require a relay receiver with 1, 2 or 4 channels. To combat vandalism and unauthorized entry we recommend the security version with separate outdoor aerial.





**The automatic timer**

Equipped with two amber lights (one for outside and one for inside), the automatic timer is a practical extension of the garage door controls. It regulates closing of the door after the individually adjustable opening phase has elapsed.



**Traffic lane control**

A reliable way of controlling traffic for single-lane entrances and exits. With two red/green signal lights for outside and inside.

**For safety reasons the traffic lane control and automatic timer must be used together with a photocell.**



**Closing edge safety device**

The slightest contact of the closing edge brings the moving door to an immediate halt (not illustrated).

# With Hörmann Everything is a Perfect Match!

## The universal fitting

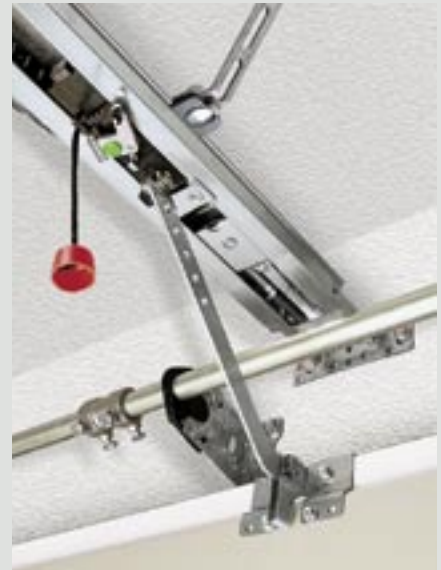
The SupraMatic H is supplied as standard with a universal fitting which can be used for all Hörmann up-and-over and sectional doors. Everything is perfectly matched.

And also important for you to know:

Hörmann garage doors and operators are safety-tested by the TÜV (Technical Monitoring Institute) as a single unit.



Universal fitting for Hörmann up-and-over doors, types N 80 and DF 98

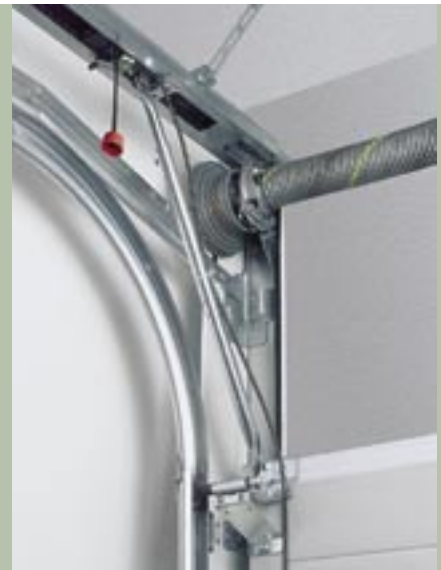


Universal fitting for Hörmann sectional doors with normal and low-headroom tracks

Even for sectional doors of other makes and designs the SupraMatic H proves an excellent choice. In this instance you are supplied one of the special fittings shown.



Fitting bracket for sectional doors (other makes)



Fitting for Hörmann high-lift sectional doors

## Two-point anchoring to the ceiling

If, for example, a lamp or girder is in the way, the anchor on the boom simply slides to one side to accommodate them. To increase stability, the track is fastened at two points. Hörmann never does anything by halves!



**Technical data**

**Connection cable:**

With safety plug

**Automatic cut-out:**

This is automatically learned separately for both directions.

Nominal power: 210 N  
 Pull and push force: 1000 N  
 Short-term peak load: 1200 N

**Additional controls:**

ZS 200, MP 200 can be connected

**Special functions:**

- Easy to set and re-adjust via 3 buttons and a 7-segment display:
- Outdoor lighting can be switched on/off
  - 3-minute light ex factory, can be individually set from 1-5 minutes or switched off altogether. Contact load: 500 W/250V
  - Automatic timer
  - Open phase max. 3 minutes, warning phase max. 5 seconds easy to activate and set (photocell and/or closing edge safety device required).
  - Photocell and closing edge safety device, can be set with or without self-testing.
  - Option relay for warning light
  - Adjustable belt relief

- Display of door's end-of-travel positions
- Factory reset
- Adjustable force limit
- Adjustable "soft" stop

**Screwless connecting technique:**

For external equipment with safe low voltage 24 V DC for interior and exterior buttons with or without direction selector, digital coder, transponder key switch, closing edge safety device, photocell.

**Push buttons:**

3 push buttons OPEN-STOP-CLOSE, included in the supply package

**Connectable relays:**

- Relay for signalling the end-of-travel positions
- Relay for additional operator lighting

**Universal fitting:**

for up-and-over and sectional doors.

**Quick release:**

In the event of a power failure to be actuated from the inside via a pull cord.

**Operator boom:**

Extremely flat, just 30 mm high, with integral door security kit and maintenance-free, patented toothed belt. Ball-bearing guide roller.

**Mains connection:**

230/240 V AC, 50/60 Hz  
 Stand-by approx. 5.5 W  
 Transformer with thermal overload protection

**Protection category:**

For dry premises only

**Motor:**

DC motor with "Hall" sensor and electronically controlled "soft" start and "soft" stop as well as self-locking worm gear. Operating mode: S2 Short-time duty: KB 6 min.

**Travel limit cut-out/ Force limit:**

Self-learning and non-wearing due to absence of mechanical switches, additionally with integral excess travel stop. The automatic cut-out is self-readjusting during every door cycle.

**Door travel speed:**

14 cm/s

**Dimensions of operator head:**

160 x 120 x 340 mm (W x H x D)

**Dimensions of packaging:**

Cardboard box:  
 195 x 145 x 600 mm (W x H x D)

**Shipping weight:**

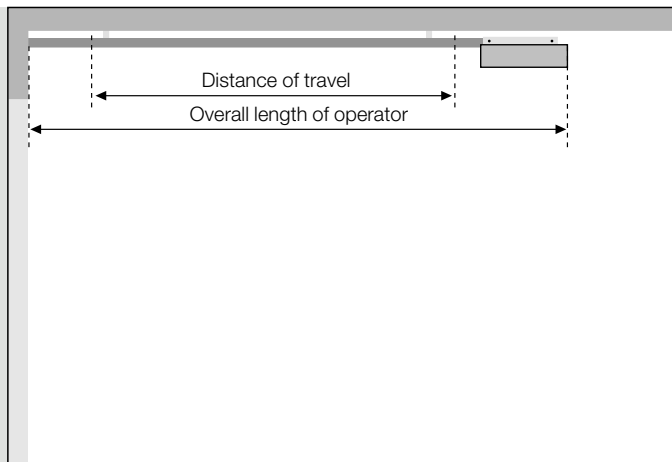
Operator head 6.4 kg  
 Booms 6.8 kg (K)  
 7.4 kg (M)  
 8.8 kg (L)

**Parking spaces:**

Suitable for max. 20 parking spaces or 25 door cycles per day

**Retrofit kit DF 98 door:**

If a door is subjected to more than 25 cycles per day, a retrofit kit for a maximum load on the springs of 100,000 cycles is required.

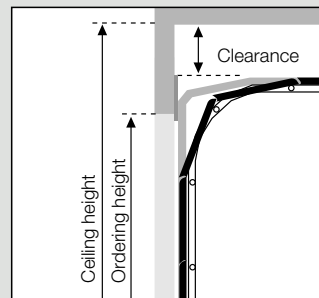
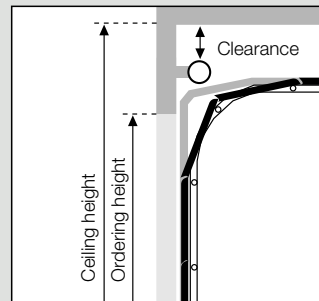
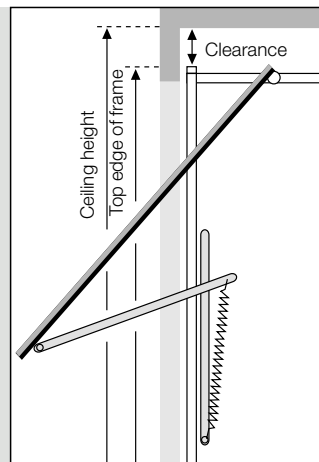


Boom type	Overall length	Distance of travel
<b>K</b> short boom	3100 mm	2350 mm
<b>M</b> medium boom	3350 mm	2600 mm
<b>L</b> long boom	4100 mm	3350 mm

Booms K, M and L for Hörmann garage doors can be used up to a maximum width of 5000 mm.

<b>K</b>	Up-and-over doors (N80 and DF98)	bis 2375 mm high
	Sectional doors with track application N	bis 2125 mm high
	Sectional doors with track applications Z,L	bis 2000 mm high
<b>M</b>	Up-and-over doors (N80 and DF98)	bis 2625 mm high
	Sectional doors with track application N	bis 2375 mm high
	Sectional doors with track applications Z,L,H	bis 2250 mm high
<b>L</b>	Up-and-over doors (N80 and DF98)	bis 2750 mm high
	Sectional doors with track applications N,L,H	bis 3000 mm high

For all other door makes note the distance of travel!



All dimensions are minimum dimensions

**Clearance for up-and-over doors**

Type	Clearance
N80	0 mm
N80, design 905, 941 or with timber infill	15 mm
DF98, 95, 80	65 mm

**Clearance for sectional doors with track application N**

Ceiling height	Clearance
Ordering height + 210 mm	0 mm

**Sectional door with track application H**

	0 mm
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**Clearance for sectional doors with track application Z, L, H**

Ceiling height	Clearance
Ordering height + 115 mm	15 mm

**Clearance for other door makes**

30 mm are required between the door's highest point of travel and the ceiling.

## Hörmann: Quality without compromise



Hörmann KG Amshausen



Hörmann KG Antriebstechnik



Hörmann KG Brandis



Hörmann KG Brockhagen



Hörmann KG Dissen



Hörmann KG Eckelhausen



Hörmann KG Freisen



Hörmann KG Ichttershausen



Hörmann KG Werne



Hörmann Genk NV, Belgien



Hörmann Beijing, China



Hörmann Inc. Vonore TN, USA

Hörmann is the only manufacturer worldwide that offers you a complete range of all major building products from one source. We are manufacturing in highly-specialized factories using the latest production technologies.

The close-knit network of sales- and service companies throughout Europe, and the activities in the USA and China make Hörmann your strong partner for first-class building products, offering "Quality without compromise".

**GARAGE DOORS**

**OPERATORS**

**INDUSTRIAL DOORS**

**LOADING TECHNOLOGY**

**HINGED DOORS**

**DOOR FRAMES**

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