

EcoStar[®]
Made by Hörmann

**GARAGE DOOR OPERATORS FOR
UP-AND-OVER AND SECTIONAL DOORS**



The Quality Garage Door Operators



2 powerful versions

With 500 N or 700 N push and pull force



Low-noise toothed belt

No rattling bicycle chain



Fitted quickly and simply

For all up-and-over doors and sectional doors



Tested according to European standards

With EcoStar and Hörmann garage doors

EcoStar®
Made by Hörmann

Totally convincing

Super quiet toothed belt technology

EcoStar operators have a high-quality toothed belt instead of a common chain. Nothing rattles and everything is super-quiet. In addition: no greasing or oiling necessary!



Reliable automatic cut-out

In the event of an obstruction, the door is halted and raised by approx. 30 cm, providing the highest level of trap protection. An additional advantage: This function is self-testing and self-adjusting.



Automatic light

Thanks to integrated 2-minute illumination, you will always drive into a well-lit garage. The spotlight on the operator automatically switches off after two minutes.



EcoStar Plus shown

Guaranteed safety

EcoStar garage door operators have been tested on their own and in conjunction with all EcoStar and Hörmann garage doors, as well as with many other makes, in accordance with European standard 13241-1 and certified by sworn, independent experts. This provides you with safety day after day.



Just a press of a button

The standard 2-button hand transmitter in a practical mini format easily opens and closes your door. It also comes with a personal security code. The second button can be used to operate an additional door with an EcoStar operator.



Ready for fitting on all up-and-over and sectional doors

The EcoStar operator can be fitted without any problem to all up-and-over and sectional doors using the universal fitting. Everything is carefully co-ordinated. With some makes of sectional doors, a special fitting bracket is required. This is available as an accessory.



EcoStar Plus shown

Almost no energy consumption

EcoStar operators come with an energy-saving transformer as standard. It uses less than 5 watts in standby operation.

Your advantage: minimal energy costs.



Immediately ready for operation

The EcoStar operator adapts itself to your garage door fully automatically the first time it is opened and closed. This saves you from having to adjust it.

Easy to transport


In a handy-sized cardboard box. Contents: operator head, boom, hand transmitter, fixings and installation instructions. (see back page for sizes and weights)



ng: strong functions, sim

EcoStar®



- Including 1 hand transmitter
- Max. pull force 500 N 
- Door sizes up to 7 m²
- Soft start and soft stop



3-part boom

Your new EcoStar operator stays on top of its game with the 3-part boom. All components are optimally matched to one another and can be fitted without trouble.

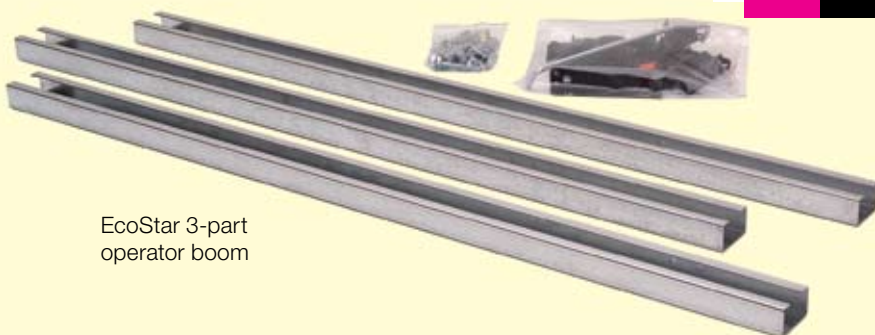


Trouble-free fitting

Using the illustrated fitting instructions, you can easily fit the operator yourself – from connecting the boom segments to fitting the operator head and fixing it in your garage.



The operator is fixed horizontally on the lintel and fitted to the ceiling using two brackets on the operator head.



EcoStar 3-part operator boom

Simple installation

EcoStar Plus



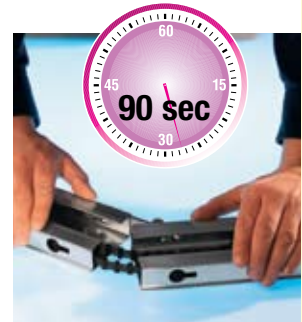
- Including 2 hand transmitters
- Max. pull force 700 N
- Door sizes up to 12.5 m²
- Soft start and soft stop



* 5 years for the operator mechanics, motor, and motor control

Pre-assembled boom

The EcoStar Plus operator can be fitted in no time with the pre-assembled boom. Simply unfold the boom – the toothed belt is already installed. Done!



Simple and flexible fitting

Illustrated fitting instructions ensure safe and simple fitting of the EcoStar Plus operator. A gently ascending or gradient operator boom is also an option thanks to the lintel fixing equipped with a hinge.



The operator can be ideally adapted to your garage. I.e.: Using the sliding suspension, the operator can be fitted in the ceiling around lamps, lines, or girders without a problem.



EcoStar Plus pre-assembled operator boom, ready-to-fit in just 90 seconds

Practical Accessories for your EcoStar® Operator



Hand transmitter

Additional 2-button hand transmitter in a convenient mini-size, e.g. for a key rack or key ring.



Code modulator

The illuminated FCT3b code modulator, which is completely wireless, allows you to actuate up to 3 door/gate operators by impulse control. This saves on complex cable ducting.



Interior button

You can install it in the garage next to the door or side door. Extremely practical if you wish to conveniently open or close the door from inside the garage.



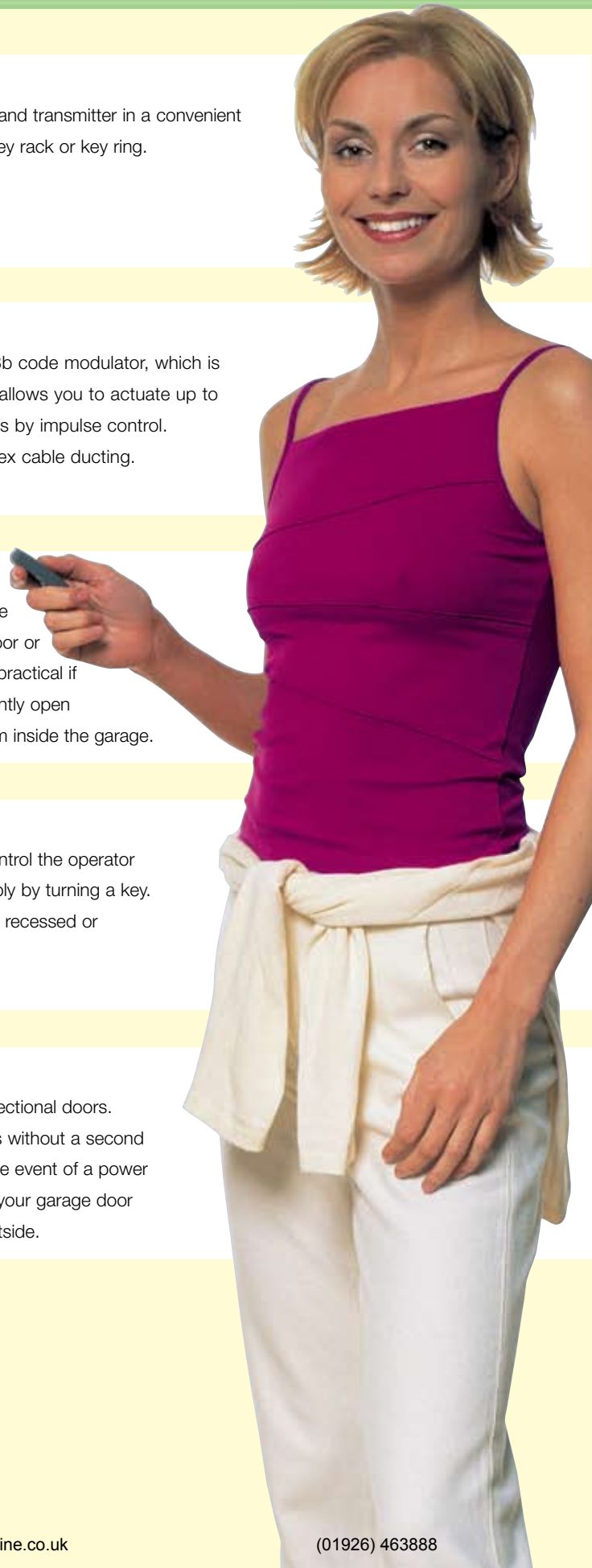
Key switch

This allows you to control the operator from the outside simply by turning a key. Two versions in one - recessed or surface-mounted.

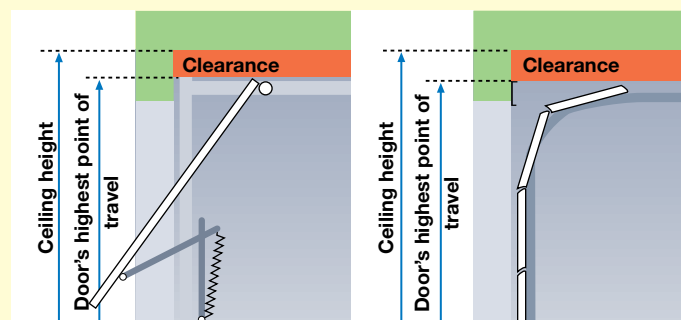
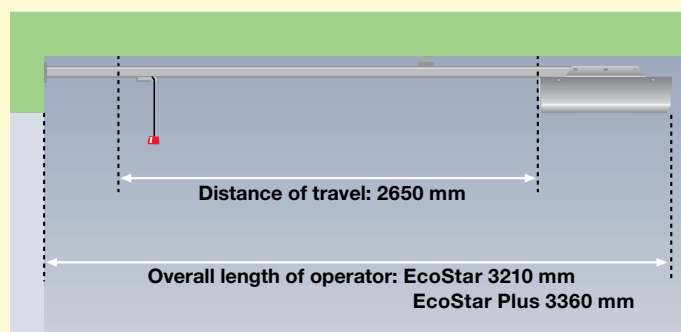


Emergency release

For up-and-over or sectional doors. Important for garages without a second entrance so that in the event of a power failure you can open your garage door manually from the outside.



Technical Data	EcoStar®	EcoStar Plus
Mains connections	230/240 V, 50/60 Hz	
Protection category	For dry buildings only	
Automatic cut-out	This is automatically programmed separately for both directions.	
Travel limit cut-out/force limit	Self-learning and non-wearing due to the absence of mechanical switches, additionally with integral excess travel stop. The automatic cut-out is self-readjusting during every door cycle.	
Push and pull force	500 N max.	700 N max.
Motor	Self-locking DC motor with "Hall" sensor.	
Connecting technique	For interior and exterior buttons using impulse control. Photocell	For interior and exterior buttons using impulse control. For external equipment with safe low voltage of 24 VDC, Photocell
Operator lighting	2-minute light	
Special functions		A STOP/OFF switch can be connected.
Quick release	In the event of a power failure, actuated from the inside via a pull cord.	
Remote control	With RSE 2-button mini hand transmitter (433.92 MHz) and an integral receiver on the control unit circuit board, for use with up to 6 hand transmitters. Fail-safe system with rolling code.	
Universal fitting	For up-and-over and sectional doors	
Door speed	Approx. 10.5 cm/s (depending on the door size and weight).	Approx. 13.5 cm/s (depending on the door size and weight).
Boom	Extremely flat (just 30 mm high), 3-part with maintenance-free, patented toothed belt.	Extremely flat (just 30 mm high), supplied pre-assembled in 3 parts with maintenance-free patented toothed belt
Packaging size	Cardboard box: 191 x 148 x 1150 mm (WxHxD) Shipping weight: approx. 13 kg Operator head with integrated, 3-part boom	Cardboard box: 266 x 182 x 1156 mm (WxHxD) Shipping weight: approx. 13 kg Operator head with integrated, 3-part boom
Application	For garages in the domestic sector only. Not suitable for industrial/commercial use.	



All dimensions are minimum dimensions

Clearance for up-and-over doors

EcoStar and Hörmann up-and-over doors do not require any clearance. For other door makes a clearance of 30 mm between the door's highest point of travel and the ceiling is required. Note the distance

Clearance for sectional doors

For EcoStar and Hörmann sectional doors with low-headroom tracks a clearance of 15 mm is required. For Hörmann sectional doors with normal tracks no clearance is required. For other makes a clearance of 30 mm between the door's highest point of travel and the ceiling area is required. Note the distance of travel.

Application range**EcoStar operator**

For EcoStar and Hörmann garage doors up to a door leaf area of **7 m²**

EcoStar Plus operator

For EcoStar and Hörmann garage doors up to a door leaf area of **12.5 m²**

Up-and-over doors	max 2750 mm high*
Sectional doors (normal tracks)	max 2375 mm high*
Sectional doors (low-headroom tracks)	max 2250 mm high*
Sectional doors (tension spring tracks)	max 2250 mm high*

* depending on the door width

For other door makes, a max. distance of travel of 2650 mm must be observed.