GATE OPERATOR

MASTER

18QR 18QRF

DC MOTOR | **Up to 1800 kg** | **Speed 14 m/min**



500MASTER18QR

DC sliding gate operator with encoder, complete with electronic control unit and built-in 433,92 MHz rolling code radio receiver. Max. gate weight 1800 kg.

500MASTER18QRF

DC sliding gate operator with encoder, electromechanical limit switch, complete with electronic control unit and built-in 433,92 MHz rolling code radio receiver. Max. gate weight 1800 kg.



Accessories for MASTER series
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Further accessories:
Transmitters page 238
Photocells page 243
Flashing lights page 246

FEATURES:

- apartment building/commercial use
- for gates up to 1800 kg
- low voltage dc gate operator
- optical encoder technology

PROS:

- obstacle detection and crush prevention
- in accordance with en 12453 standards*
- works even during power outage thanks to the optional backup battery
- fast operating speed
- intensive use, ideal for use on apartment buildings and public entrances
- external emergency release available (optional, P/N 650ESE02)
- auto-learning of the gate stroke through optical encoder



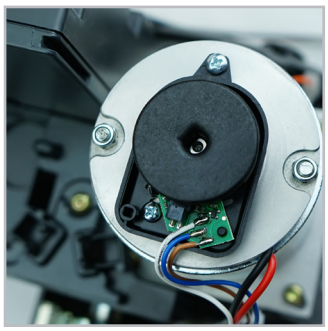
ELECTRONIC CONTROL UNIT

Protected electronic control unit built-it in the motor complete with radio receiver.



RELIABILITY

Both 12 and 24 V versions work even during power outage thanks to the optional backup battery.



OPTICAL ENCODER

Obstacle detection and anti-crushing safety ensured by the optical encoder. The encoder also manages the deceleration in the closing and opening phases and the adjustment of the gate stroke which doesn't require a limit switch.

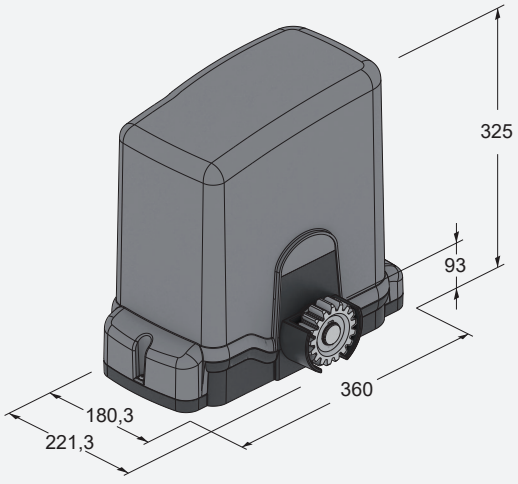


TOTAL CONNECT

By combining the 250T-CONNECT module, it is possible to control the automation remotely by your smartphone.

TECHNICAL DRAWINGS

Technical features	MASTER18QR	MASTER18QRF
Power supply	230V AC (50 - 60 Hz)	230V AC (50 - 60 Hz)
Motor power supply	18 V DC	18 V DC
Open circuit voltage	1,6 A	1,6 A
Power rating	360 W	360 W
Max. operating speed	14 m/min	14 m/min
Duty cycle	100 %	100 %
Operating temperature	-20° C ÷ +55° C	-20° C ÷ +55° C
Motor thermal protection	-	-
Degree of protection	IP 54	IP 54
Max. gate leaf weight	1800 kg	1800 kg
Max. weight cantilever gate leaf	1260 kg	1260 kg
Pinion module	4	4
Electronic control unit	K130MA	K130MA
Electromechanical limit switch	-	✓



*The use of the wireless safety edge system is necessary in order to certify an installation when the gate weight is more than 500 kg.

ACCESSORIES

COMMON ACCESSORIES



550CPMR
Adjustable counterplate from min. 65 mm to max 94 mm



550CPMR1
Adjustable counterplate from min. 124 to max 202 mm



550CPM
Counterplate



550CPM0020
Counterplate H 40 mm



400CFZ12
Steel rack 30x12, complete with screws (Module 4, max 2000 kg) Pack of 4 m



400CFZ22
Steel rack 22x22 (Module 4, max 3000 kg) 2 meter sections. Pack of 4 m



400FI
Adjustable hydraulic brake for sliding gates on a slope



400VSF20
Screws and brackets for 400CFZ22 (40 units per pcs)



900TWM
Master transceiver device **for central interface** (manages up to 4 TWC).



700BAP4
Gate stopper with spring



900TWC
Battery-powered wireless slave transceiver device **for mobile/fixed sensitive edge** with battery (manages up to max. 2 sensitive edges per TWC).



900BSD15
Deformable safety edge kit *l* = 1,5 m

900BSD20
Deformable safety edge kit *l* = 2 m



650ESE02
External emergency release device (flush-mounted) with tamper-proof housing and 4 m cable



900OPTIC
Set of infrared safety photocells, 12/24 V, surface mount, beam alignment adjustable up to 15°, up to 20 m range



C-CRT
Warning signal



900TOWERF
Photocell standard mounting post, painted aluminium, 49 cm, with removable cover for easy installation and photocell adjustment



C-TARG
Aluminium CE mark label, self adhesive

ACCESSORIES FOR 18/24 VOLT



200KB4 NEW
Battery charger and backup battery kit



900T-COMM
Interface for connecting 2 opposite sliding gate automation in master/slave mode



500MASTERKITFC NEW
Electromechanical limit switch kit for MASTER.



250T-WIFI
Device for Wi-Fi connection 2,4 GHz to allow the smartphone to remotely control and program the control units via TauApp

ACCESSORIES FOR 230/400 VOLT



600D703
230/400 V electronic control unit for one gate operator with electrical brake (MASTER20T)



900VLED-AT
230 V AC white led flashing light



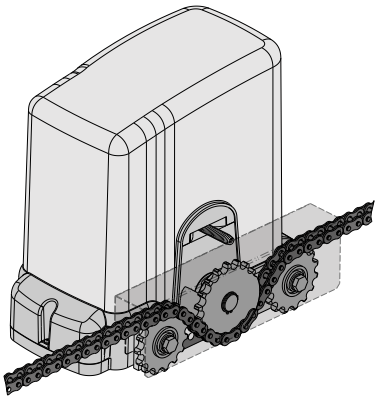
250RXSM2
Self-learning, two-channel, 433,92 MHz plug-in radio receiver. Accepts up to 14 rolling code transmitters



750COL
Control unit mounting post

CHAIN VERSION

Upon request, the MASTER gearmotor is available with the pinion for chain transmission.



120 VOLT VERSION

120 VOLT AVAILABLE

Upon request, the MASTER gearmotor is also available in the 120 Volt version for foreign markets

Use and maintenance manuals

MASTER K130MA K590M D703