

12
VOLT

GATE OPERATOR MASTER_{12Q}

For gates up to 1200 Kg



500MASTER12Q

12 V sliding gate operator with encoder, complete with electronic control unit. Maximum gate weight 1200 kg.

Features:

- apartment building / commercial use
- for gates up to 1200 kg
- low voltage DC gate operator
- optical encoder technology
- built-in battery charger

Pros:

- obstacle detection and crush prevention
- in accordance with EN 12445-12453 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)



Protected control board:
The electronic control unit is well protected from the outside within its plastic shell



Practical:
The manual release is easy, intuitive and protected by a personal key.

Technical features	MASTER _{12Q}
Power supply	230 V AC (50 - 60 Hz)
Motor power supply	18 V DC
Absorption	2,6 A
Absorbed power	47 W
Max. operating speed	11 m/min
Duty cycle	100 %
Max. thrust	1350 N
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	-
Degree of protection	IP 44
Max. gate leaf weight	1200 kg
Pinion module	Module 4



The above represented installation does not include safety devices such as safety edges. Their addition depends upon the risk assessment made on any installation in accordance with EN 12445-12453 standards.

Accessories



550CPM
Counterplate



400CPMR
Adjustable counterplate



900KITCF15
Safety edge kit l=1,5 m.



900KITCF
Safety edge kit l=2 m.



900TWC
Wireless safety edge transmitter



900TWM
Wireless safety edge master receiver



C-CRT
Warning signal



200BATT
12 V back-up battery, 7,2 Ah



650ESE02
External emergency release device with tamper-proof housing and 4 m cable



S-500K123M00
Replacement electronic control unit



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



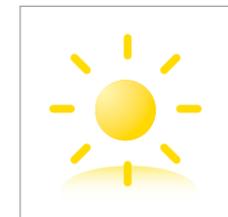
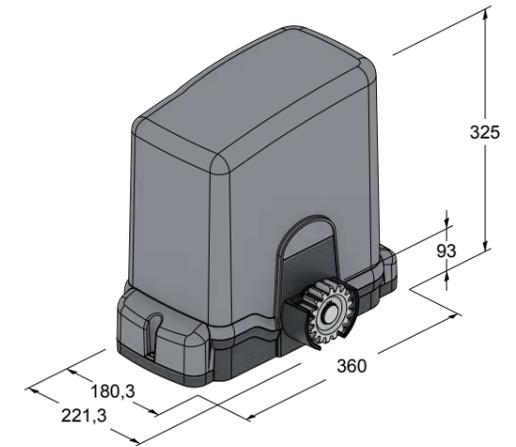
400CFZ22
Steel rack 22x22 (Module 4, max 3000 kg)



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



C-TARG
Aluminium CE mark label, self adhesive



Solar power
Thanks to the Photovoltaic (PV) Technology, every low voltage DC gate operator can be solar powered. Discover the advantages of the solar energy at page 124



Further accessories:
Transmitters page 104
Photocells page 110
Flashing lights page 113



*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

GATE OPERATOR MASTER₂₀

For gates up to 2000 Kg

110
VOLT
AVAILABLE



500MASTER20QR

230 V sliding gate operator with encoder and limit switch, complete with electronic control unit and built-in 433,92 MHz radio receiver. Maximum gate weight 2000 kg.

500MASTER20T

400 V three-phase sliding gate operator without electronic control unit. Maximum gate weight 2000 kg

Features:

- commercial use
- for gates up to 2000 kg
- 230 V (MASTER20QR) and 400 V (MASTER20T) gate operators
- optical encoder technology for obstacle detection (MASTER20QR only)
- electronic brake
- irreversible gate operator
- lever manual release mechanism

Pros:

- obstacle detection and crush prevention (MASTER20QR only)
- suitable for large sliding gates
- high torque and power thanks to the three-phase 400 Vac version (MASTER20T)
- external emergency release available (optional, P/N 650ESE02)

Technical features	MASTER20QR	MASTER20T
Power supply	230 V AC (50 - 60 Hz)	400 V AC (50 - 60 Hz)
Motor power supply	230 V AC	400 V AC
Absorption	1,7 A	3,7 A
Absorbed power	313 W	1000 W
Speed maneuver	10,5 m/min	10,5 m/min
Duty cycle	40 %	58 %
Max. thrust	1890 N	1890 N
Operating temperature	-20° C ÷ +55° C	-20° C ÷ +55° C
Motor thermal protection	160° C	150° C
Degree of protection	IP 44	IP 44
Max. gate leaf weight	2000 kg	2000 kg
Pinion module	Module 4	Module 4



Protected control board:
The electronic control unit is well protected from the outside within its plastic shell



Practical:
The manual release is easy, intuitive and protected by a personal key.



The above represented installation does not include safety devices such as safety edges. Their addition depends upon the risk assessment made on any installation in accordance with EN 12445-12453 standards.

Accessories



550CPM
Counterplate



400CPMR
Adjustable counterplate



900KITCF15
Safety edge kit l=1,5 m.



900KITCF
Safety edge kit l=2 m.



900TWM
Wireless safety edge master receiver



900TWC
Wireless safety edge transmitter



250RXDC1
Self-learning, single-channel, 433,92 MHz plug-in radio receiver. Accepts up to 62 rolling code transmitters or unlimited dipswitch transmitters.



C-CRT
Warning signal



650ESE02
External emergency release device with tamper-proof housing and 4 m cable



S-500D705M00
Replacement electronic control unit (MASTER20QR)



600D703M
230/400 V electronic control unit for one gate operator with electrical brake (MASTER20T)



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



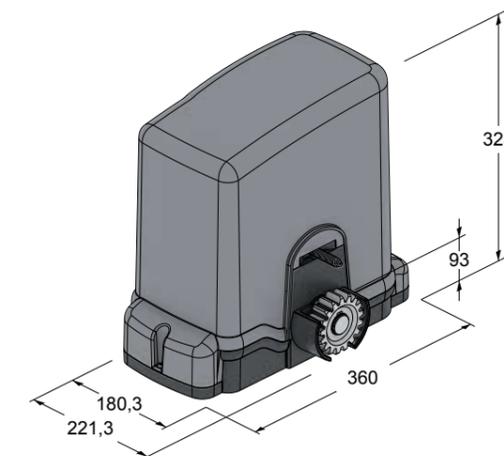
400CFZ22
Steel rack 22x22 (Module 4, max 3000 kg)



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



C-TARG
Aluminium CE mark label, self adhesive



Further accessories:
Transmitters page 104
Photocells page 110
Flashing lights page 113