



P-650ARM250BI

Irreversible DC electromechanical telescopic gate operator with encoder. Max. gate leaf 4 m.

P-650ARM250I

Irreversible 230 V electromechanical telescopic gate operator. Max. gate leaf 4 m.

P-650ARM250BO

Reversible DC electromechanical telescopic gate operator with encoder. Max. gate leaf 4 m.



**Accessories for
ARM200 series**
Page 84



Further accessories:
Transmitters page 238
Photocells page 243
Flashing lights
page 246

FEATURES:

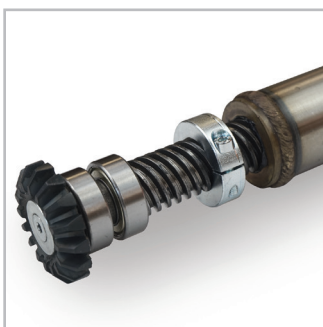
- residential/apartment building/commercial use
- for gates leaves up to 4 m
- rod extension gate operator
- brackets to be welded, included
- adjustable mounting brackets (optional)
- suitable for large gates and non standard sized posts
- electrical connections are easier thanks to the larger upper space
- manual release with key lock
- quick and easy installation

18 V PROS:

- low voltage DC gate operator
- auto-learning of the gate stroke through optical encoder
- 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
- soft start and soft stop
- intensive use, ideal for use on apartment buildings and public entrances

230 V PROS:

- 230 V gate operator
- built-in capacitor
- high torque and power



LIMIT SWITCHES P-650ARM200KITFCAR

Thanks to the optional mechanical stops kit, it is possible to adjust the door opening limit at will, without the need for other stops on the ground.



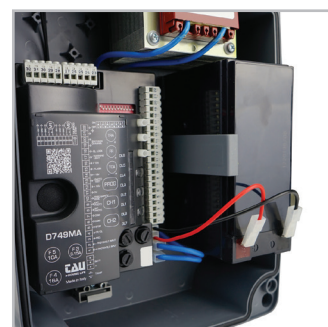
MECHANICS OF EXCELLENCE

The gears are assembled with high quality, double shielded ball bearings in order to obtain absolute precision between their axes.



STABILITY X 2

The high quality double bearing ensures greater mechanical stability by reducing jolts.



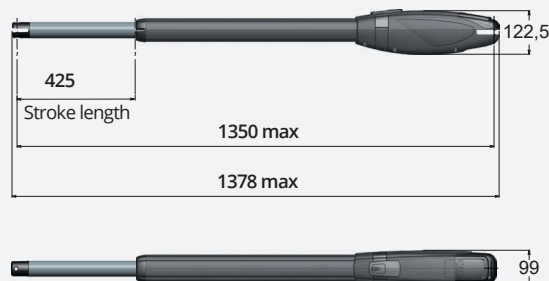
NO BLACK OUT

Possibility of managing low voltage operating units using emergency battery kits, which in case of a blackout come into operation allowing the gate to complete or perform operations.

Technical features	ARM250BI	ARM250I	ARM250BO
Power supply	230 V AC (50 - 60 Hz)	230 V AC (50 - 60 Hz)	230 V AC (50 - 60 Hz)
Motor power supply	18 V DC	230 V AC	18 V DC
Open circuit voltage	1 A	1,5 A	1 A
Power rating	120 W	350 W	120 W
Opening time 90°	12,5 s*	25 s*	12,5 s*
Duty cycle	100 %	36 %	100 %
Operating temperature	-20° C ÷ +55° C	-20° C ÷ +55° C	-20° C ÷ +55° C
Motor thermal protection	-	160° C	-
Degree of protection IP	IP 44	IP 44	IP 44
Stroke length	425 mm	425 mm	425 mm
Control unit to match	D749MA	D770M	D729MA

* Varies according to the installation geometries

TECHNICAL DRAWINGS





KIT

max.
4+4m

DC
MOTOR

K-KARM250BIL



Complete double arm automation kit for gates up to 4+4 m, with two **P-650ARM250BI** gate operators

Accessories included in the kit:



P-900VLED Low voltage 12-18-24 Volt white led flashing light



P-750D749MA Electronic control unit for one or two DC gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



P-300TKEY + P-300TSL Die-cast aluminium key switch + LED courtesy light for T-KEY



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



S-ARM0000208 Rear fixing bracket to be welded

+



S-ARM0000282 Front fixing bracket with bushing



P-250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT Warning signal

K-KARM250BIL2



Complete double arm automation kit for gates up to 4+4 m, with two **P-650ARM250BI** gate operators

Accessories included in the kit:



P-900VLED Low voltage 12-18-24 Volt white led flashing light



P-750D749MA Electronic control unit for one or two DC gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



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



S-ARM0000208 Rear fixing bracket to be welded

+



S-ARM0000282 Front fixing bracket with bushing



P-250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



P-250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT Warning signal



KIT

max.
4+4m | **230 V**

K-KARM250L



Complete double arm automation kit for gates up to 4+4 m, with two **P-650ARM250L** gate operators

Accessories included in the kit:



P-900VLED Low voltage 12-18-24 Volt white led flashing light



P-750D770M Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz rolling code radio receiver, complete with enclosure



P-300TKEY + P-300TSL Die-cast aluminium key switch + LED courtesy light for T-KEY



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



S-ARM0000208 Rear fixing bracket to be welded

+



S-ARM0000282 Front fixing bracket with bushing



P-250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT Warning signal

K-KARM250L2



Complete double arm automation kit for gates up to 4+4 m, with two **P-650ARM250L** gate operators

Accessories included in the kit:



P-900VLED Low voltage 12-18-24 Volt white led flashing light



P-750D770M Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz rolling code radio receiver, complete with enclosure



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



S-ARM0000208 Rear fixing bracket to be welded

+



S-ARM0000282 Front fixing bracket with bushing



P-250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



P-250K-SLIMRP Two-channel transmitter, rolling code technology, 433,92 MHz



C-CRT Warning signal

ACCESSORIES

COMMON ACCESSORIES



P-650ARMKITSTF
Multi-position adjustable bracket (for one operator)



P-650ARMKITSTI
Tilting bracket for sloping gates (1 pcs)



P-650ARMKITSTFM
Multi-position adjustable oversized bracket for gate leaves over 4 m (1 pcs)



P-650ARM200KITFCAR
Kit adjustable mechanical stopper in opening (2 pcs)



P-650ES1 / P-650ES2
Horizontal electric lock recommended for leaves longer than 3 m (1=LEFT - 2=RIGHT)



P-650ESV1 / P-650ESV2
Vertical electric lock recommended for leaves longer than 3 m (1=LEFT - 2=RIGHT)



P-700BAP
Gate stopper for heavy leaves



P-700BAP1
Gate stopper for light leaves



P-700BAP2
Gate stopper wall/floor mount



P-900TOWERF
Painted aluminum column for photocells with 1 hole h49 cm



P-750CUP
Control unit enclosure protective lid



P-650CVS
Curved manual lock



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



P-250T-CONNECT
Ethernet + Wi-Fi device - to enable through Tau Open 2.0 application, the use of the smartphone remotely, to open/close and check the status of the gate



P-750COL
Control unit mounting post

18/24 VOLT ACCESSORIES



P-750D749MA
Electronic control unit for one or two DC gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



P-750D749MA-R
Electronic control unit for 1-2 DC fast operators with encoder, complete with 433,92 MHz rolling code radio receiver, battery charger, transformer and enclosure



P-750D729MA
Electronic control unit for one or two DC reversible and irreversible gate operators with encoder, complete with 433,92 MHz rolling code radio receiver, transformer and enclosure (for P-650ARM250BO/P-650ARM270BO)



K-030KITKB20
Battery cables kit (20 pcs)



K-200BATT
12 Volt Battery, 7,2 Ah with cable



K-200KB4 NEW
Battery charger and backup battery kit (for D729MA)



M-030000CC50
Multicore cable (2 x 2.5 sq.mm + 3 x 0.5 sq.mm)



Use only M-030000CC50 cable or equivalent

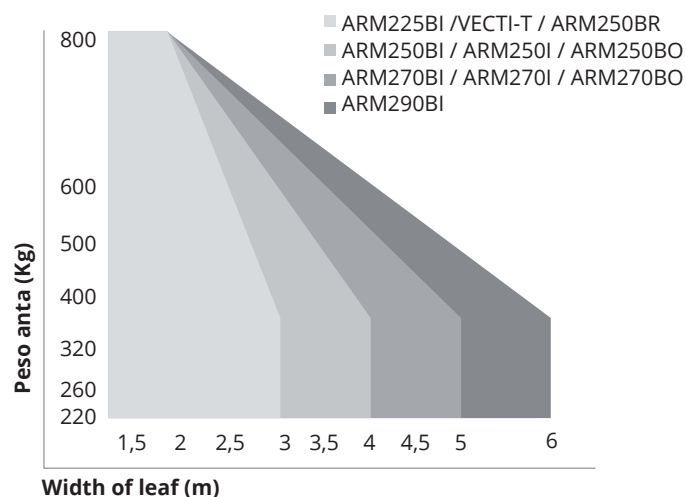
230 VOLT ACCESSORIES



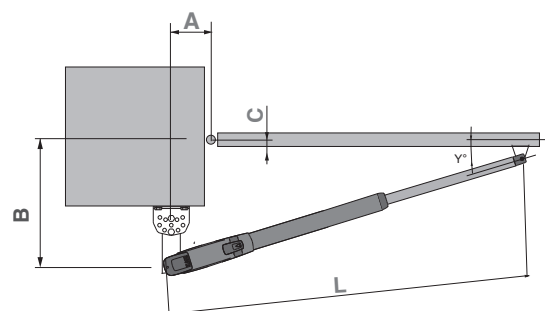
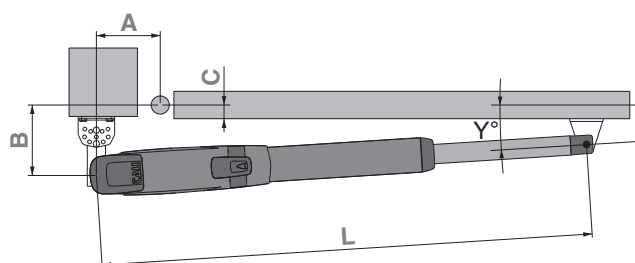
P-750D770M
Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz rolling code radio receiver, complete with enclosure

LIMIT TO USE*

If the leaves are closed or less than 70% open, and the gate is installed in windy areas, the indicated lengths must be reduced by 30%.



INSTALLATION SIZES (MM)*



Model	Leaf opening	A	B	C	L
VECTI-T ARM225BI	90°	Min. 110	from 120 to 165	20	1070
		Max. 140	from 120 to 140	20	1070
	100°	130	from 120 to 130	20	1070
Recommended	90°	140	140	20	1070
ARM250I ARM250BI ARM250BO	90°	Min. 120	from 135 to 275	20	1350
		Max. 200	from 135 to 215	20	1350
	100°	Min. 145	from 135 to 160	20	1350
		Max. 200	from 135 to 180	20	1350
	110°	Min. 170	from 135 to 140	20	1350
Recommended	90°	190	190	20	1350
ARM270I ARM270BI ARM270BO	90°	Min. 150	from 170 to 345	20	1560
		Max. 225	from 170 to 290	20	1560
	100°	Min. 175	170	20	1560
		Max. 225	from 170 to 250	20	1560
	110°	Min. 210	from 170 to 175	20	1560
	120°	Max. 225	from 170 to 225	20	1560
Recommended	90°	225	225	20	1560

Model	Leaf opening	A	B	C	L
ARM290BI	90°	Min. 200	from 225 to 595	20	2266
		Max. 450	from 225 to 420	20	2266
	100°	Min. 250	from 225 to 480	20	2266
		Max. 450	from 225 to 340	20	2266
	125°	Min. 370	from 225 to 240	20	2266
		Max. 400	from 225 to 265	20	2266

* Follow the instructions for the installation

NB: In order to get the best performances, the operators have to be installed with A and B values as high as possible. To work correctly, the angle formed by the actuator and the gate (See the picture above for Y° value) must be > 3° (ARM225/P-650VECTI - ARM250) and > 4° (ARM270 - ARM290) both with the gate completely closed and completely open.

Use and maintenance manuals



ARM200



D749MA-R



D749MA



D770M