



P-650ARM270BI

Irreversible DC electromechanical telescopic gate operator with encoder. Max. gate leaf 5 m.

P-650ARM270I

Irreversible 230 V electromechanical telescopic gate operator. Max. gate leaf 5 m.

P-650ARM270BO

Reversible DC electromechanical telescopic gate operator with encoder. Max. gate leaf 5 m.



**Accessories for
ARM200 series**
Page 84



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

FEATURES:

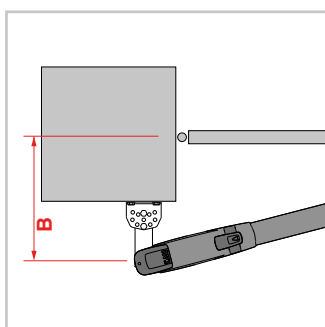
- residential/apartment building/commercial use
- for gates leaves up to 5 m
- rod extension gate operator
- brackets to be welded, included
- adjustable mounting brackets (optional)
- suitable for large gates and non standard sized posts
- electrical connections are easier thanks to the larger upper 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



B UP TO 345 MM MAX

Thanks to the telescopic extension, it is able to adapt perfectly to the different dimensions of the pillars.



DOORS OPENING UP TO 120°

Thanks to the versatility of the optional multi-hole brackets, the installation is remarkably simplified and it is possible to reach a considerable degree of leaf opening up to a max. of 120°.



PLUNGE ROUNDED TOOTHING

The special plunge rounded toothing guarantees a greater bearing surface and therefore less wear and longer life.



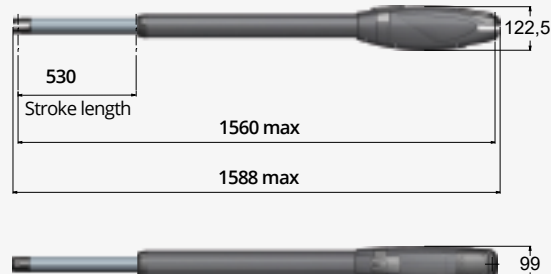
STURDINESS

Stem in AISI 304 steel, aluminum fork and brass nut welded directly onto the stem guarantee top-level sturdiness.

Technical features	ARM270BI	ARM270I	ARM270BO
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	1,1 A	1 A	1,1 A
Power rating	120 W	120 W	120 W
Opening time 90°	13 s*	34 s*	13 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	530 mm	530 mm	530 mm
Control unit to match	D749MA	D770M	D729MA

* Varies according to the installation geometries

TECHNICAL DRAWINGS





KIT

max.
5+5 m

**DC
MOTOR**

K-KARM270BIL



Complete double arm automation kit for gates up to 5+5 m, with two **P-650ARM270BI** 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-KARM270BIL2



Complete double arm automation kit for gates up to 5+5 m, with two **P-650ARM270BI** 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.

5+5m

230 V

K-KARM270L



Complete double arm automation kit for gates up to 5+5 m, with two **P-650ARM270I** 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-KARM270L2



Complete double arm automation kit for gates up to 5+5 m, with two **P-650ARM270I** 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

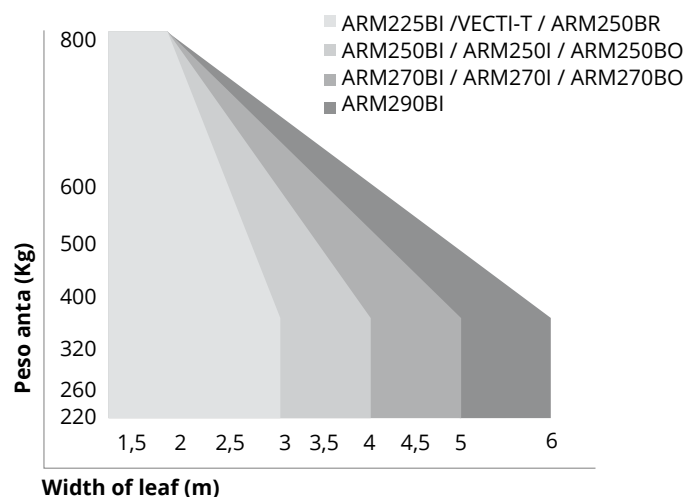
230 VOLT ACCESSORIES



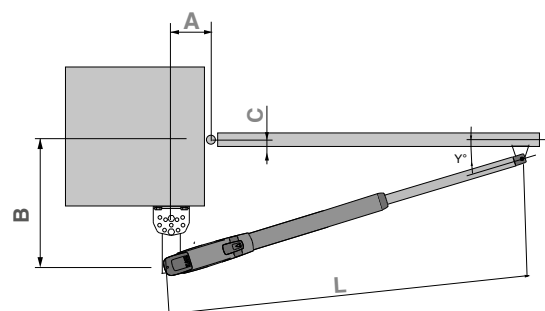
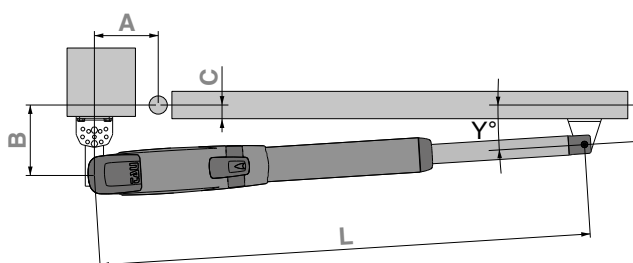
P-750D770M
Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz rolling code radio receiver, complete with enclosure

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