



P-650ARM290BI

Irreversible DC electromechanical telescopic gate operator with encoder. Max. gate leaf 6 m. It is also perfect for large pillars. Fixing brackets not included.



Accessories for ARM200 series
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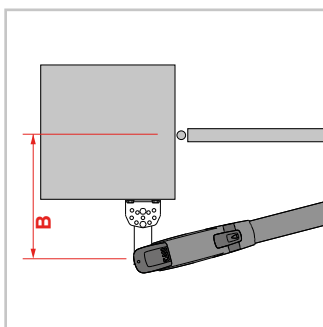
Further accessories:
Transmitters Page 222
Photocells Page 228
Flashing lights
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FEATURES:

- residential/apartment building/commercial use
- for gates leaves up to 6 m
- rod extension gate operator
- 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

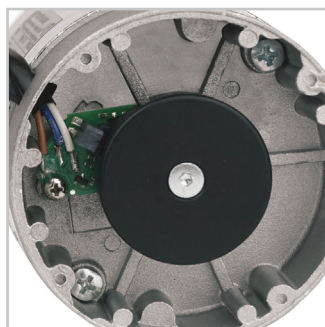
PROS:

- 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



B MAX UP TO 595 MM

Thanks to the telescopic extension, it can be installed on large pillars without having to resort to masonry work to reach the installation measurements.



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 electrical limit switches.



EASY INSTALLATION

Thanks to the connections from above, it is more convenient and faster to install and wire.



DOORS OPENING UP TO 125°

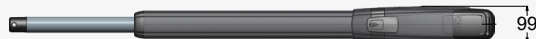
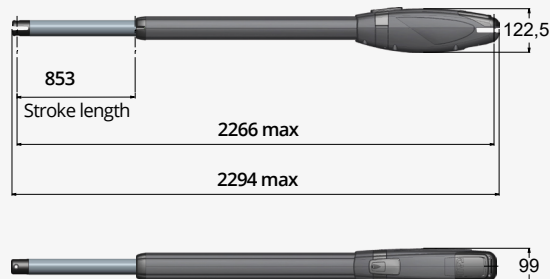
Thanks to the versatility of the optional oversized multi-hole brackets (P-650ARMKITSTFM), the installation is remarkably simplified and it is possible to reach a considerable degree of leaf opening up to a max. of 125°.

Technical features	ARM290BI
Power supply	230 V AC (50 - 60 Hz)
Motor power supply	18 V DC
Open circuit voltage	1 A
Power rating	120 W
Opening time 90°	21 s* **
Duty cycle	100 %
Operating temperature	-20° C ÷ +55° C
Motor thermal protection	-
Degree of protection IP	IP 44
Stroke length	853 mm
Control unit to match	D749MA
Actuator weight	8,9 Kg

* Adjustable by TauApp 2.0

** Varies according to the installation geometries

TECHNICAL DRAWINGS





ARM/VECTI KIT

WITH KEY SELECTOR

KIT composition:



LINEAR GATE OPERATORS



P-900VLED



CONTROL UNIT



P-900OPTIC



S-ARM0000208



P-300TKEY + P-300TSL

+



S-ARM0000282



P-250K-SLIMRP



C-CRT

MODELS IN: DC MOTOR

KIT	MODEL	MAX. GATE LEAF	CONTROL UNIT	ENCODER	REVERSIBLE / IRREVERSIBLE
K-KARM225BIL	P-650ARM225BI	3+3 m	P-750D749MA	●	Irreversible
K-KARM250BIL	P-650ARM250BI	4+4 m	P-750D749MA	●	Irreversible
K-KARM270BIL	P-650ARM270BI	5+5 m	P-750D749MA	●	Irreversible

MODELS IN: 230 V AC

KIT	MODEL	MAX. GATE LEAF	CONTROL UNIT	ENCODER	REVERSIBLE / IRREVERSIBLE
K-KVECTI-T	P-650VECTI-T	3+3 m	P-750D770M		Irreversible
K-KARM250L	P-650ARM250I	4+4 m	P-750D770M		Irreversible
K-KARM270L	P-650ARM270I	5+5 m	P-750D770M		Irreversible



ARM/VECTI KIT

WITH TWO TRANSMITTERS

KIT composition:



LINEAR GATE OPERATORS



P-900VLED



CONTROL UNIT



P-900OPTIC



P-250K-SLIMRP



P-250K-SLIMRP



S-ARM0000208

+



S-ARM0000282



C-CRT

MODELS IN: DC MOTOR

KIT	MODEL	MAX. GATE LEAF	CONTROL UNIT	ENCODER	REVERSIBLE / IRREVERSIBLE
K-KARM225BIL2	P-650ARM225BI	3+3 m	P-750D749MA	●	Irreversible
K-KARM250BIL2	P-650ARM250BI	4+4 m	P-750D749MA	●	Irreversible
K-KARM270BIL2	P-650ARM270BI	5+5 m	P-750D749MA	●	Irreversible

MODELS IN: 230 V AC

KIT	MODEL	MAX. GATE LEAF	CONTROL UNIT	ENCODER	REVERSIBLE / IRREVERSIBLE
K-KVECTI-T2	P-650VECTI-T	3+3 m	P-750D770M		Irreversible
K-KARM250L2	P-650ARM250I	4+4 m	P-750D770M		Irreversible
K-KARM270L2	P-650ARM270I	5+5 m	P-750D770M		Irreversible

ACCESSORIES

COMMON ACCESSORIES



P-650ARMKITSTF
Kit consisting of 2 multi-position fixing brackets



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



P-650ARMKITSTFM
Kit 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-250BLUEWAY
Multi-function interface connecting TAU control units to a smartphone or PC via Bluetooth, enabling the configuration and management of control units and radio memories through TauApp 2.0

NEW



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
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

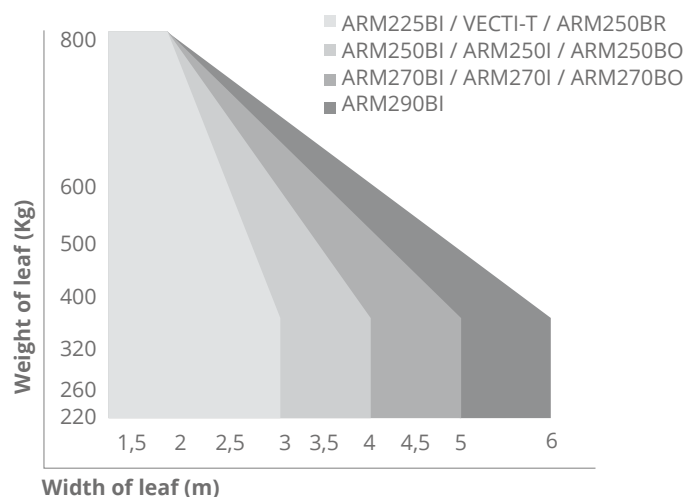
230 V AC ACCESSORIES



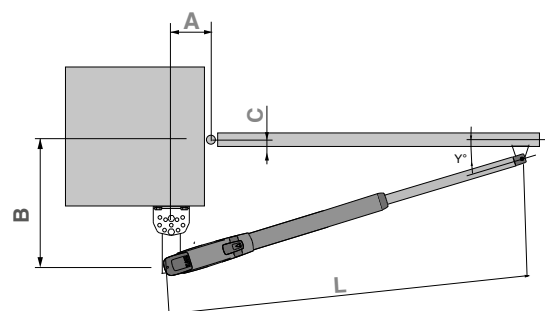
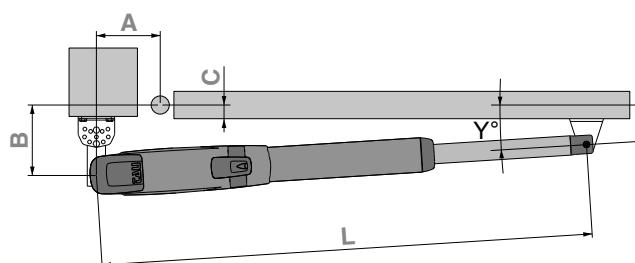
P-750D770M
Electronic control unit for one or two 230 V gate operators with soft-stop and built-in 433,92 MHz rolling code radio receiver, complete with enclosure

LIMIT TO USE*

If the leaves are closed or less than 50% open, and the gate is installed in windy areas, the indicated lengths must be reduced by 50%.



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