



SAM



ARTICULATED ARM

control unit with built-in encoder and receiver
built-in battery charger



up to 2.5 m



24 Vdc | intensive use



- 24 Vdc irreversible gear motor with encoder for heavy duty applications available with or without incorporated control unit
- The incorporated control unit can be accessed from above. It is placed on removable support that facilitates installation and quick access to mechanical stops. This way, the actuator can be installed flush with the floor
- Switching power supply (115/230 Vac) that permits reduced power use and long lifespan of the actuator
- Ideal for swing gates with large columns and leaf hinges up to 280 mm deep
- Suitable for any setting, thanks to the reduced overall dimensions (only 170 mm of width)
- The encoder guarantees maximum safety and precision while the gate is moving
- Sturdy arm fitted with a closing lock that helps define the limit switch position during installation
- Motor fixing bracket fitted with a cable gland to facilitate maintenance
- Equipped with mechanical stop in opening
- STC system device enables torque management in relation to the position of the gate, which guarantees maximum safety
- Operation guaranteed even in the event of a power supply failure through batteries that integrate perfectly into the motor
- Amperometric sensor obstacle detection system to prevent crushing
- Possibility for encoder- or time-based operation even independently between the two motors
- Designed for the connection of the X.BE accessory in order to be integrated with KNX domotics installations and the programming through the app BeUP and the interface PRO.UP
- Option of adjustable wire unlock device that allows opening from the outside in the event of a power supply failure



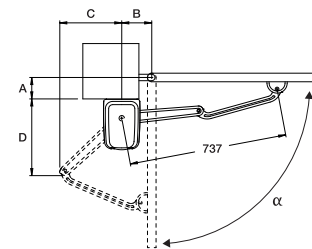
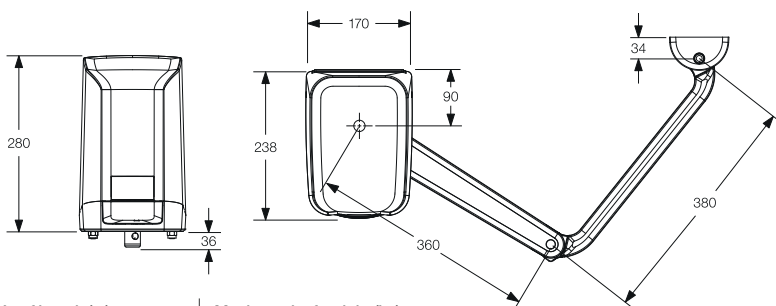
CONTROL UNITS:

SAM.E24 ——— CP.SAM

SAM.24 ——— BRAINY24+
BRAINY24
HEADY24

BENINCA

100%
Made in Italy



Leaf length (m)	Maximum leaf weight (kg)
1	300
1.5	285
2	250
2.3	200
2.5	150

α	A (mm)	B (mm)	C (mm)	D (mm)
90°	20	140	260	390
90°	50	140	270	380
90°	120	140	300	350
90°	200	140	315	330
90°	280	150	300	345
100°	50	160	330	305
105°	100	200	360	255
110°	50	210	365	240
120°	20	250	380	180

COMPLETE KITS



MOTOR 1
1x SAM.E24



MOTOR 2
1x SAM.24



ARMS
2x SAM.BA



PHOTOCELLS
1x PUPILLA.T



FLASHING LIGHT
1x LAMPY



TRANSMITTER
1x TO.GO2VA

KSAM



SAM.BA
Articulated arm.



SAM.BS
Sliding arm.



SAM.SN
Articulated arm for sloped gates.



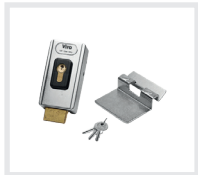
SAM.STOP
Additional mechanical stop.
Package of 2 pcs.



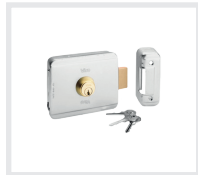
SAM.LOCK
Lock with customised key.



SAM.SE
Externally fitted anti-intrusion cable unlock device which allows the gate to be unlocked from outside.



DU.V96
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.



DU.V90
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.



DU.9990
Covering plate for DU.V90.



ID.TA
Warning board.



IRI.TX4VA
4-channel transmitter with Advanced Rolling Code and Rolling Code.



IRI.TX4AK
4-channel transmitter with Advanced Rolling Code and Fixed Code.



IRI.LAMP
Flashing white light, 20÷255 Vac/dc with integrated antenna.



IRI.KPAD
Battery operated wireless vandal-proof digital keypad with alert buzzer and backlit buttons. Triple coding: Rolling Code, Programmable Code and Advanced Rolling Code. 254 memorisable codes.



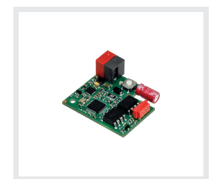
IRI.CELL
Pair of vandal-proof metal covers for PUPILLA/PUPILLA.T photocells, comprising front and rear shells with concealed screw. They can maintain perfect orientation over 180°.



PUPILLA
Pair of photocells adjustable to 180°. Option to synchronise up to 4 pairs, 24 Vac/dc power supply. Easy adjustment through a LED that signals optimal alignment. Compact size: 36x110x35 mm



SAM.CB
Brackets kit for installable batteries on board.
Package of 5 pcs.



X.BE
Electronic interface board between the KNX communication system and Benincà automation devices.

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TECHNICAL DATA	SAM.24	SAM.E24
Power supply	---	115 Vac / 230 Vac (50-60Hz)
Motor supply	24 Vdc	24 Vdc
Max absorbed current	5 A	1.9 A
Torque	220 Nm	220 Nm
Opening time (90°)	14" (including slowdown)	14" (including slowdown)
Duty cycle	intensive use	intensive use
Protection level	IP44	IP44
Mechanical stop	adjustable in opening	adjustable in opening
Built-in control unit	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	2.5 m	2.5 m
Weight	6 kg	7.9 kg
Kit weight	17 kg	17 kg
Kits no. per pallet	20	20