

Trigon 02



AN AUTOMATED SYSTEM IS NOT JUST A MOVEMENT

- TRIGON is ideal for applications on leaves where there is a long distance between leaf and hinge which prevents normal use of the operator. The special kinematic motion enables simple, fast installation.
- The rotation of the outlet pin and a system of anti-shearing arms enable the leaf to move.
- The release system with customised key enables the leaf to be moved by hand, in case of a power cut.

PRECISION AND SAFETY: THE IMPORTANCE OF DETAILS

- The electrical limit-switches at opening and closing, with micrometric adjustment, are easy to use for controlling slow-down or stops. They are powered by low voltage (24V) and guarantee safety for the end-user.

FIELD OF APPLICATION

- The gearmotor has a system of anti-shearing arms, and is recommended for applications on large pilasters without the need to make niches, or for outward opening movements.
- Field of application: up to 3 m with leaf locking, up to 2 m without an electric lock.
- The 24V models are an important resource to increase the frequency of manoeuvres in case of intensive use.

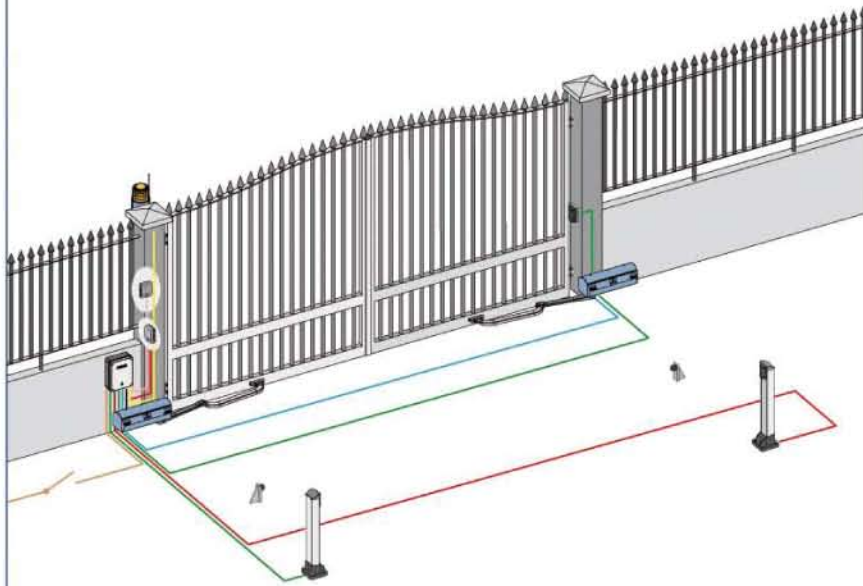
DIMENSIONS



Power supply 24V recommended for an intensive use.

Model	Version
Trigon 02 - 24V	Non-reversible power supply 24 Vdc
Trigon 02	Non-reversible

Electric wiring scheme



	Line	3x1,5 mm ²
	Motor*	4x1,5 mm ²
	Blinker	2x1,5 mm ²
	Key-operated selector	2x0,5 mm ²
	Tx photocells	2x0,5 mm ²
	Rx photocells	4x0,5 mm ²
	BUS connections	2x0,5 mm ²

*For 24Vdc motor, use thread from 2x2.5mm² - distance max. between motor and the control board 10m.

CONTROL BOARDS



BRAIN 574 (Page 109)
BRAIN 592 (Page 109)
BRAIN 03 (Page 113)
BRAIN 13 (Page 114)

ACCESSORIES



LIMIT-SWITCH

Kit with one limit-switch for one motor for closing or opening.



ARMO 24V

External Safety Container with release device and up/down button.

Technical specifications	TRIGON 02	TRIGON 02 - 24
Power supply [Vac]	230	24
Power [W]	280	40
Current [A]	1.2	2
Heat protection [°C]	140	-
Capacitor [µF]	8	-
Max. torque [Nm]	250	200
Angular speed [°/sec]	8	8
Leaf opening time at 90° [sec] ^[1]	18	18
Max. leaf length [m] ^{[1][2]}	3	3
Type and frequency of use at 20 °C	S3 - 30%	100%
Indicative hour cycles at 20 °C	≥30	≥100
Operating ambient temperature	-20°C +55°C	-20°C +55°C
Operator weight [Kg]	11.5	11.5
Protection class	IP44	IP44

[1] Opening time and max. leaf dimensions calculated for correctly executed installations at the dimensions indicated in the installation instructions and without slow-downs.

[2] Over 2,00 m, an electric lock is essential to ensure leaf blocking.