

# linear



## DESIGN AND POWER: WHEN ELEGANCE IS ALSO FUNCTIONALITY

- LINEAR is an electro-mechanical operator with an elegant line, enhanced by the aluminium housing, to the full advantage of functionality and integration with the gate.
- This range of operators stands out for its power and thrust capacity of up to 400 DaN
- The release system with lock enables the leaf to be moved by hand, in case of a power cut.

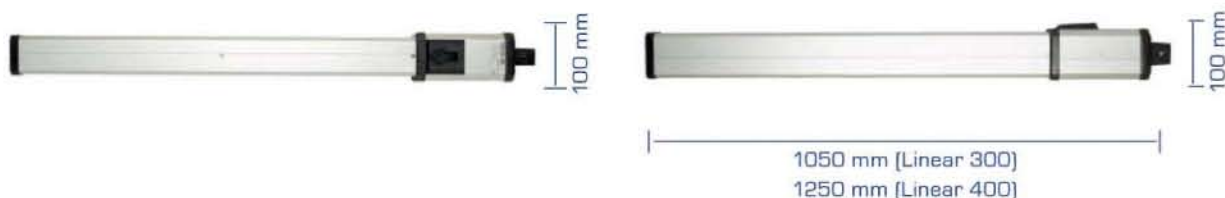
## FINE MATERIALS FOR A RELIABLE, SAFE PRODUCT

- The mechanics and gearing are in bronze and steel, to ensure a quality, reliable product.
- A single ambidextrous version is available

## A VERY BROAD RANGE FOR ALL NEEDS

- Models with rod travel of 300 and 400 mm are available for fitting leaves up to 4 m.
- All models are non-reversible, ensuring leaf blocking up to 2.50 m even without an electric lock.
- The slow version for very heavy leaves, where a uniform, safe movement is necessary in relation to the leaf's peripheral speed.
- The 24V models are an important resource to increase the frequency of manoeuvres in case of intensive use.

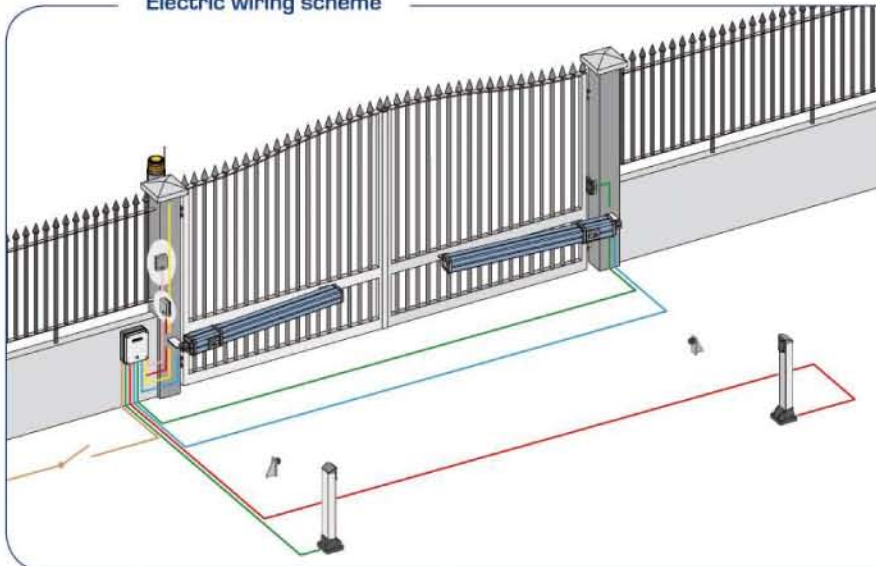
## DIMENSIONS



Power supply 24V recommended for an intensive use.

Model	Version
Linear 324	Non-reversible power supply 24 Vdc
Linear 424	Non-reversible power supply 24 Vdc
Linear 300	Non-reversible Fast
Linear 400	Non-reversible
Linear 400 Lento	Non-reversible Slow

## Electric wiring scheme



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

\*For 24Vdc motor, use thread from 2x2,5mm<sup>2</sup>  
- distance max. between motor and the control board 10m.

## ACCESSORIES

### CONTROL BOARDS



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



#### PLATE

KIT of 6 fixing plates to screw with a slot, for welding a standard bracket.



#### BRACKET

KIT of 6 front brackets to screw h. 77 mm.



#### BRACKET

Kit of 6 back brackets to screw h. 130 mm.

Technical specifications	LINEAR 300	LINEAR 400	LINEAR 400 LENTO	LINEAR 324	LINEAR 424
Power supply [Vac]		230		24	
Power [W]		350	280	70	
Current [A]		1,5	1,2	3	
Heat protection [°C]		140		-	
Capacitor [µF]		10	8	-	
Thrust [daN]		400	320	300	
Travel [mm]	300	400		300	400
Speed [cm/sec]		1,6	1,1	1,6	
Leaf opening time at 90° [sec] <sup>[1]</sup>	18	24	34	18	24
Max. leaf length [m] <sup>[1][2]</sup>	3	4		3	4
Type and frequency of use at 20 °C		S3 - 30%		100%	
Indicative hour cycles at 20°C	≥30	≥24	≥16	≥100	≥75
Operating ambient temperature		-20°C +55°C		-20°C +55°C	
Operator weight [Kg]	7	7,5		7	7,5
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 2,50 m, an electric lock is essential to ensure leaf blocking.