

# MISTRAL



## SKILLS AND TECHNOLOGICAL INNOVATION MAKE A COMPLETE PRODUCT

- MISTRAL is among the most complete electro-mechanical operators with in-line axis thrust on the market. It has electric limit switches at both opening and closing for strong, maximum safety automated systems.
- The power cable for outdoor mobile installation, is supplied standard and is easy to maintain.
- As the power cables exit horizontally, Mistral can be installed on the gate, even very close to the ground.
- The release system with lock is entirely protected and enables the leaf to be moved by hand, in case of a power cut.

## LONG LIFE: QUALITY MAKES IT SAFE FOR YOU

- Aluminium body, with 2-coats of paint for a longer life.

- Stainless steel is used for all components subjected to atmospheric agents.
- LS models with low voltage (24V) electric limit-switches; micrometric adjustment for both opening and closing; with separate inputs enabling a host of functions, such as stop only or start of slow-down. Guaranteed safety for the end-user.

## FIELD OF APPLICATION

- A complete range of models, with 300 mm and 400 mm rod travel versions, to satisfy a host of different requirements; leaves up to 4 m.
- Floating bracket in aluminium to facilitate installation, compensating for any gate structural faults.
- The 24V models are an important resource to increase the frequency of manoeuvres in case of intensive use.

## DIMENSIONS



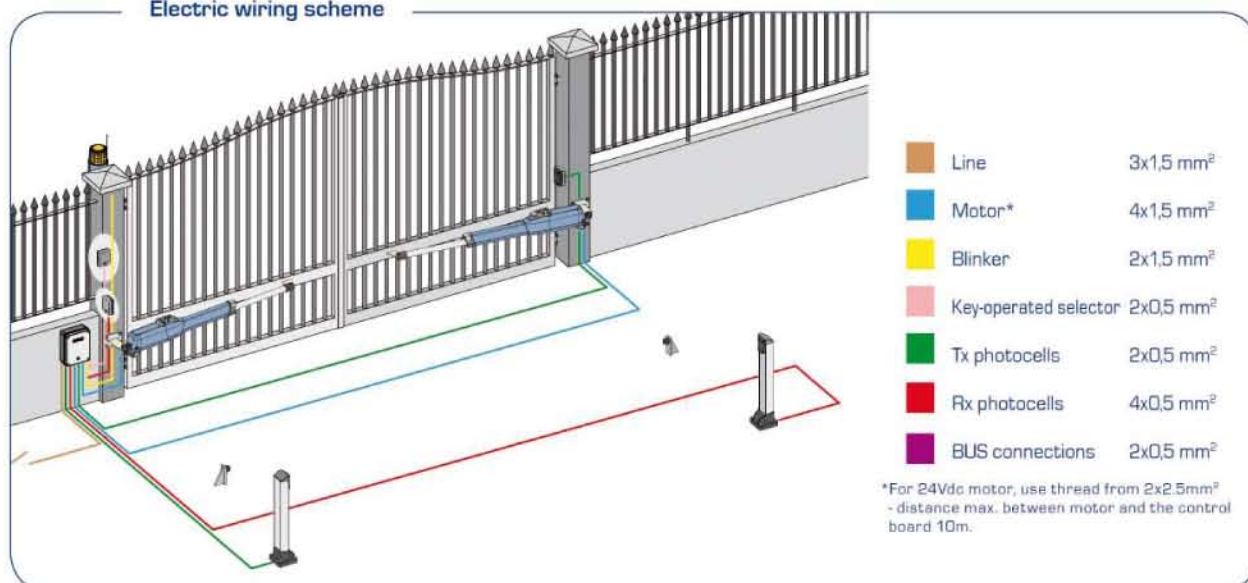
840 mm (Mistral 300)  
935 mm (Mistral 400)



Power supply 24V recommended for an intensive use.

Model	Version
Mistral 324	Non-reversible, 24Vdc
Mistral 324 LS	Non-reversible, 24Vdc, opening and closing limit-switches
Mistral 424	Non-reversible, 24Vdc
Mistral 424 LS	Non-reversible, 24Vdc, opening and closing limit-switches
Mistral 300	Non-reversible
Mistral 300 LS	Non-reversible, opening and closing limit-switches
Mistral 400	Non-reversible
Mistral 400 LS	Non-reversible, opening and closing limit-switches

## Electric wiring scheme



## 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.



#### TIME CODER

THE TIME CODER is a PATENTED accessory which, when combined with the BRAIN 592 or BRAIN 03 control board, manages the obstacle detection function, also enabling electronic slow-down at opening and closing. Gate real time position reading. (IP66)

Technical specifications	MISTRAL 300	MISTRAL 400	MISTRAL 324	MISTRAL 424
Power supply (Vac)	230		24	
Power (W)	300		70	
Current (A)	1,3		3	
Heat protection (°C)	140		-	
Capacitor (µF)	8		-	
Thrust (daN)	300		280	
Travel (mm)	300	400	300	400
Rod exit speed (cm/sec)	1,6		1,6	
Max. leaf length (m)	3*	4**	3*	4**
Type and frequency of use at 20° C	S3 - 30%		100%	
Indicative hour cycles at 20° C	≥30	≥25	≥100	≥75
Operating ambient temperature	-20°C +55°C		-20°C +55°C	
Operator weight (Kg)	7,8	8,0	7,8	8
Protection class	IP54		IP54	

\* Over 2,50 m, an electric lock is essential to ensure leaf blocking.

\*\* Over 3,00 m, an electric lock is essential to ensure leaf blocking.