

## OPERATOR FOR SWING GATES

# 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

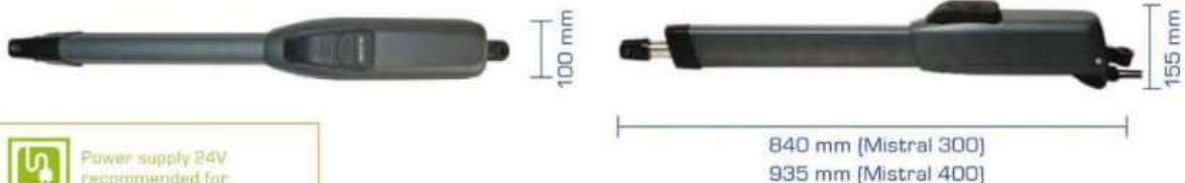
- Aluminium body, with 2-coats of paint for a longer life.

- 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.

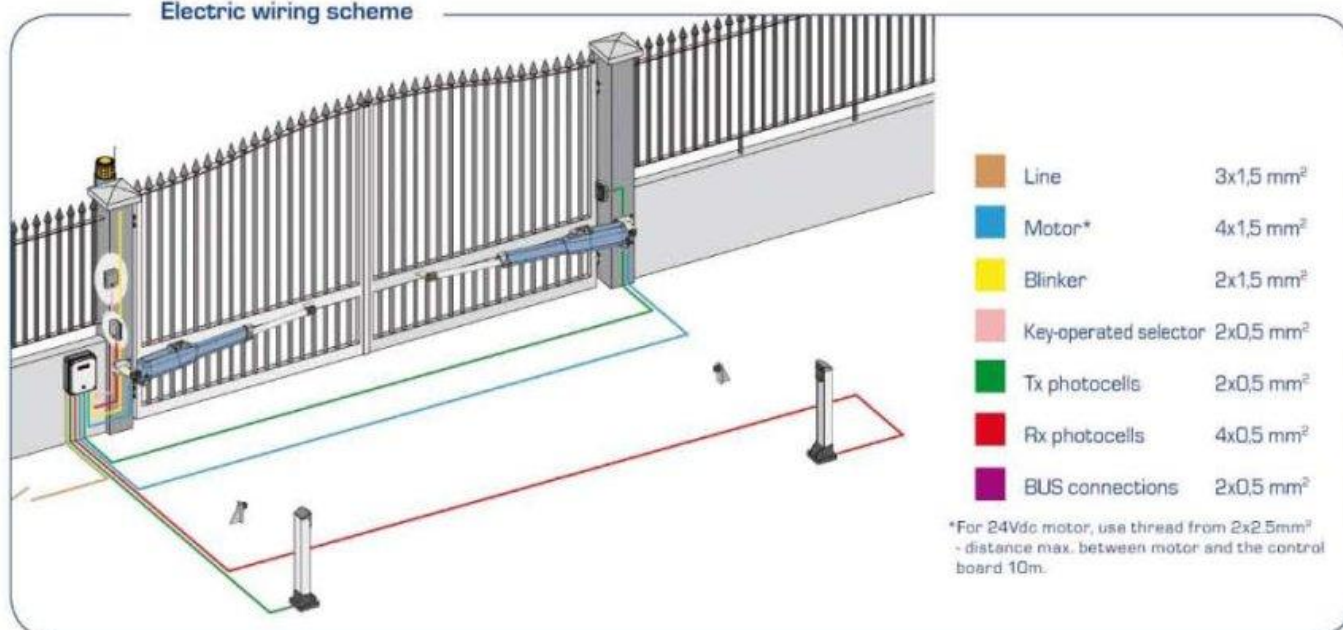
## DIMENSIONS



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.