

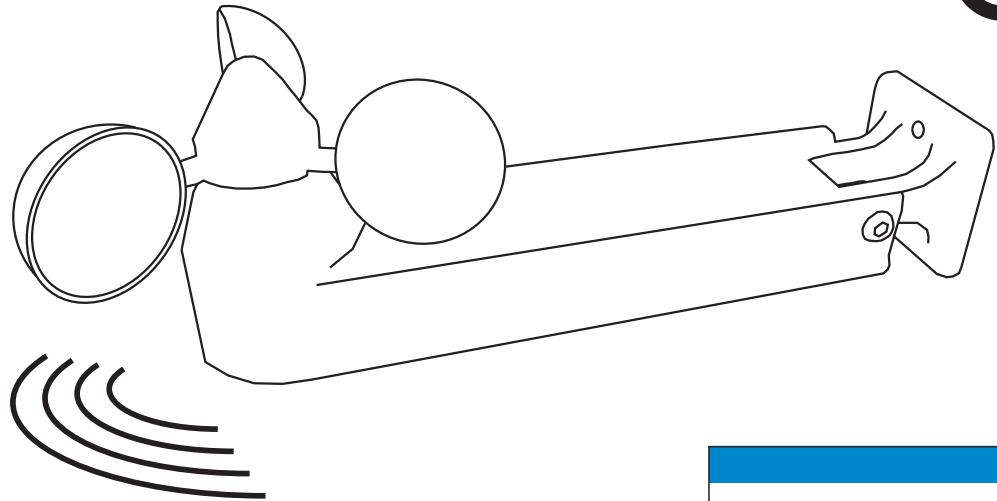
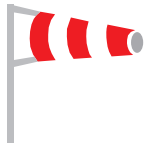
433,92 MHz

**MASTER**  
MOTION AHEAD

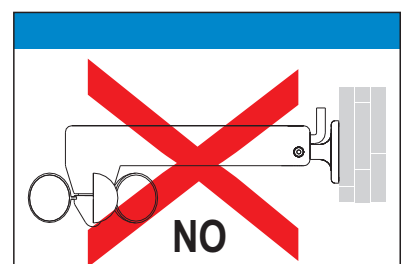
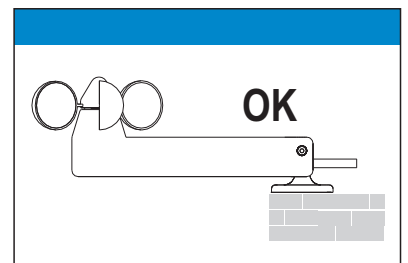
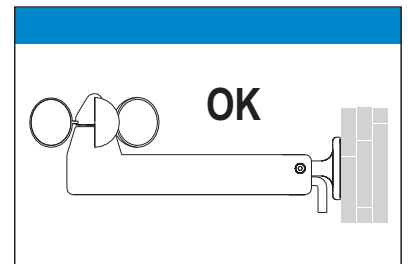
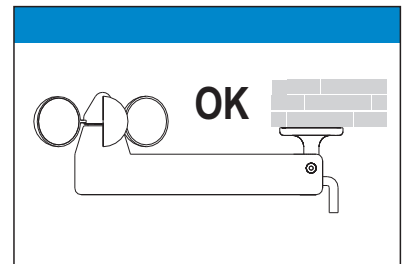


Instruction guide for MISTRAL BATTERY assembling.

CE



IMPULSE FOR MOTION



## Warnings



Dear Customer, thank you for purchasing a MASTER product.

Here you will find important informations regarding the methods of use and the safety of installation.

**Comply with the following informations and keep for future reference.**

MISTRAL BATTERY is a wind sensor and it can communicate via radio with receiving modules, inside or outside the motor, working at 433,92 MHz frequency and made by the same producer.

The producer cannot be consider responsible for any damages due to improper, wrong or unreasonable use.

**FOR A CORRECT INSTALLATION, IT IS RECOMMENDED TO READ THE FOLLOWING IMPORTANT INFORMATIONS.**

### Environmental conservation!



**Environmental conservation is an everyone's duty !**

MASTER uses packaging recyclable materials. Dispose materials on the proper containers, complying with the law in force in your locality.

This product may have substances that are polluting for the environment and dangerous fo the health.

At the end of the product life cycle, carefully comply with the waste disposal rules. It is strictly forbidden to dispose the product on the domestic waste.

## 01. Important notes on radio systems



It is advisable to avoid using radio systems in areas with strong interference (for example near police stations, airports, ports, hospital, etc). A technical inspection is in any case advisable before installing any radio system in order to identify sources of interference.

Radio systems can be used where possible disturbances or malfunctioning of the transmitter or the receiver do not pose a risk factor, or if the risk factor is cancelled by suitable safety systems. The presence of radio device operating on the same transmission frequency (**433,92 MHz**) can interfere with the radio receiver of the motor and so reduce the range of the system and limit the functionality of the installation.

## 02. Warnings on safety installation



**01.** The product must be installed by qualified technical staff so as to comply with the standards and laws in force in your locality.

**02.** Check that the package is intact and has not suffered damage in transit.

**03.** Do not modify or replace parts without the manufacturer's permission.

**04.** If there are several radio motors in the same systems, the minimum distance between them must not be less than 1,5 metres.

**05.** A violent shock and the use of unsuitable tools can cause the brackage of internal or external parts of the device.

**06.** Do not drill or tamper the device for any reason.

**07.** Do not install the product near metal surfaces.

**08.** Operating on the device with caution, using suitable tools.

**09.** Check that the sensor has been installed on the correct position and well exposed to the wind and that there are no obstacles to the blades rotation.

**10.** This sensor has not been studied for working with blades turned upside down (as on the first picture).

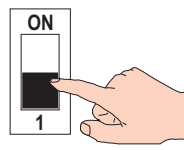
## 03. Technical characteristics (related to 20 °C working temperature)

- Power supply: 3V battery
- Battery duration (estimate) : 5 years
- Working temperature : -20°C / +55°C
- Working frequency : 433,92 MHz
- Supported sensors : wind
- Wind threshold : from 5 to 35 Km/h

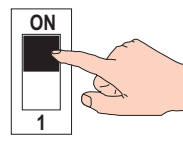
## 04. MISTRAL BATTERY switching on.



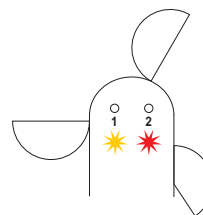
OPEN THE MISTRAL BATTERY COVER AND SWITCH IT ON THROUGH THE SWITCH ON THE BATTERY



SWITCH OFF



SWITCH ON



ONCE THE SWITCH IS «ON» THE MISTRAL BATTERY SIGNALS ITS ACTIVATION THROUGH LEDS LIGHTING.

IF THIS DOES NOT HAPPEN PUT SWITCH ON THE «OFF» POSITION WAIT 30 seconds AND REPEAT THE OPERATION.

## 05. Wind threshold table and visual signals:

WIND THRESHOLD	
1	10 Km/h
2	15 Km/h (*)
3	20 Km/h
4	25 Km/h
5	30 Km/h
6	35 Km/h



**WIND FUNCTION :**

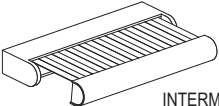
MISTRAL BATTERY sends a wind danger transmission to the tuned receiving modules when the wind speed exceeds the set threshold for longer than 3 seconds. It exits the wind alarm mode after 8 minutes from the last gust over the set threshold. During the wind alarm mode all the commands are off.

(\*) factory set up

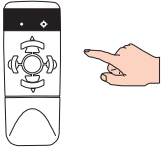


In order to preserve the duration of the mounted battery, no signals are sent during the normal working. Only when a transmission due to weather changing is sent (from wind presence to absence) the red led briefly lights.

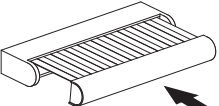
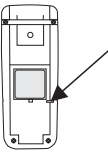
## 06. How to memorize or delete MISTRAL BATTERY on the receiver.



INTERMEDIATE POSITION  
(around half way).



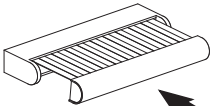
USING A STORED TRANSMITTER BRING THE MOTOR TO AN INTERMEDIATE POSITION.


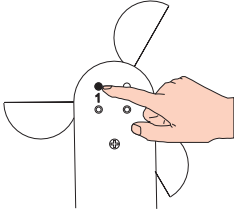
HOLD «PROG» ON THE TRANSMITTER UNTIL THE MOTOR OPERATES 2 UPWARD MOVEMENTS.

**TO MEMORIZE**

HOLD BUTTON «1» ON THE SENSOR FOR AROUND 3 seconds.

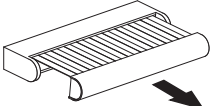


**WITHIN 8 sec.**

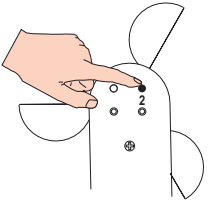
**TO DELETE**

HOLD BUTTON «1» ON THE SENSOR FOR AROUND 3 seconds.



IF THE RECEIVING DEVICE IS SWITCHED ON AFTER A TEMPORARILY ABSENCE OF POWER SUPPLY, IT TAKES UNTIL 10 MINUTES TO RE-ESTABLISH THE RADIO TUNING WITH THE RADIO SENSOR.

## 07. How to adjusting Wind threshold.



HOLD BUTTON «2» FOR 2 seconds.


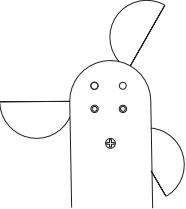
THE RED LED FLASHES THE SAME TIMES OF THE CURRENTLY SET WIND THRESHOLD

- Flash = 10 Km/h
- Flashes = 15 Km/h
- Flashes = 20 Km/h
- Flashes = 25 Km/h
- Flashes = 30 Km/h
- Flashes = 35 Km/h

PRESS BUTTON «1» THE SAME TIMES OF THE DESIRED THRESHOLD FOLLOWING THE «WIND THRESHOLD» TABLE


- 1 Time = 10 Km/h
- 2 Times = 15 Km/h
- 3 Times = 20 Km/h
- 4 Times = 25 Km/h
- 5 Times = 30 Km/h
- 6 Times = 35 Km/h

WAIT 10 sec.

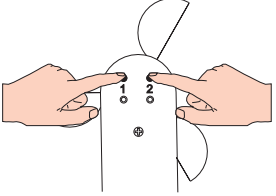
THE NUMBER OF FLASHES SIGNALS THE NEW SET THRESHOLD

- Flash = 10 Km/h
- Flashes = 15 Km/h
- Flashes = 20 Km/h
- Flashes = 25 Km/h
- Flashes = 30 Km/h
- Flashes = 35 Km/h



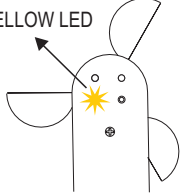
**In order to check the right working of the wind alarm bring the motor to an intermediate position and ensure that the wind alarm moves the motor upward.**

## 08. Battery charge state.




PRESS TOGETHER BUTTON «1» AND «2» ON THE SENSOR. THE TWO LEDS FLASH ACCORDING TO BATTERY CHARGE STATE.

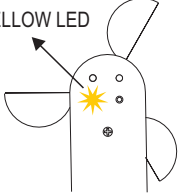
YELLOW LED




3 FLASHES = MAX CHARGE



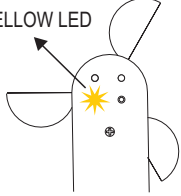
YELLOW LED



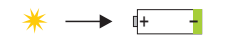
2 FLASHES = MEDIUM CHARGE



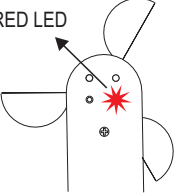
YELLOW LED




1 FLASH = LOW CHARGE



RED LED



3 FLASHES = SPENT REPLACE BATTERY



The battery duration is estimate at least for 5 years on standard temperature and humidity conditions. However it must be considered that battery duration can be shorter in particular use conditions. Where available, it is strongly recommended to keep the «RADIO TEST » function active on the tuned receiver. In case, due to the gradual battery running out, the transmission range performed by the radio sensor does not reach the tuned receiver anymore, «RADIO TEST » function of the receiver will permit to periodically roll up the awning (around every 20 minutes) reaching the protection position and gives a visible sign of the need to verify the radio sensor and eventually replace the battery. Waiting for a specialized technician, it is possible to temporarily deactivate the « RADIO TEST» following the receiver instruction guide.



