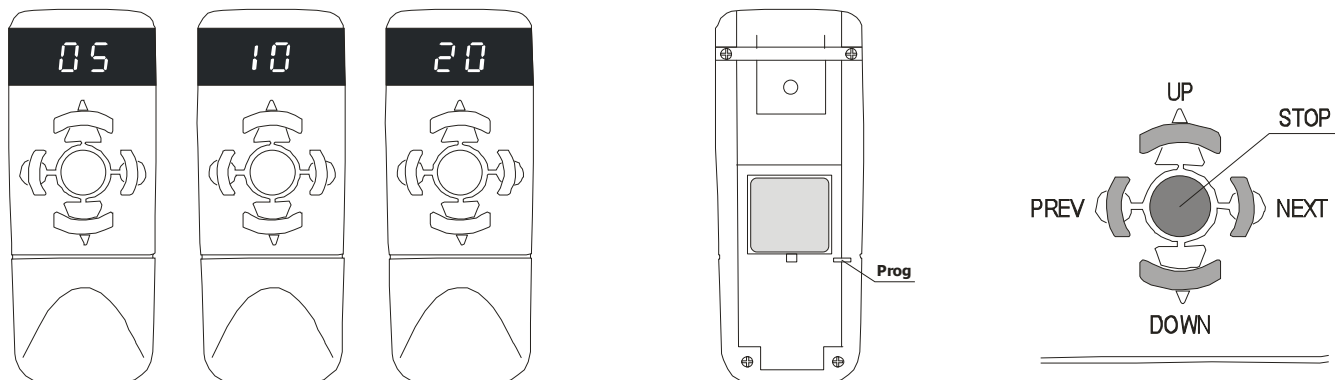


## VECTOR 5 – VECTOR 10 – VECTOR 20



### Warnings

In this sheet there are included important informations regarding the use conditions and installation safety. Respect this instructions and keep them for eventual following consultations. The **VECTOR 5 – VECTOR 10 – VECTOR 20** transmitter series are especially projected for the control of awnings, inside curtains, roller shutters, screen or similar. Any other use is inappropriate and prohibited.

### 1. Technical Data (referred to 20°C temperature)

- Power Supply: 1 Battery type CR2032
- Working Temperature: from -20 to +55 °C
- Dimensions: 40 x 100 x 13 mm
- Radio Channels: VECTOR5 : 05 + Sequence program function VECTOR10: 10 + Sequence program function VECTOR20 : 20 + 4 programmable Groups
- Radio Frequency: 433.92 MHz

### 2. Important Notes about Radio Systems

- It is advisable to not use radio installation where there is a high disturbing factor (for example: near police station, airports, banks and hospitals). However it is advisable a technical control of the place before installing any kind of radio system in order to avoid any possible interference sources.
- Radio devices can be used only if any possible interferences or diseases of the transmitter or of the receiver are not a factor of risk, or if the factor of risk is cancelled by security system.
- Radio devices working at the same frequency (for example alarms and earphones) can interfere each other, producing disease of radio system itself.

### 3. Functions associated to transmitter buttons

- **PROG** Program Button
- **STOP** Stop Button
- **UP** Upward Command
- **DOWN** Downward Command
- **NEXT** select the next active Channel
- **PREV** select the previous active Channel
- **PREV+NEXT** Indicate the battery condition and allow to enter into active radio channels menu setting
- **STOP+UP** Special Code \*
- **STOP+DOWN** Special Code \*
- **STOP+NEXT** change the setting of Sun/Automatic Downward function \*
- **STOP+PREV** change the setting of Anemometric Test function/ Delay with insertion on general command function \*
- **STOP+PROG** Enter on group set up menu (only VECTOR 20) \*

- According to radio receiver type tuned on radio channel, some of these functions cannot be available or can operating in a different way. For any further informations, please read the instruction guide of the radio receiver tuned on the radio channel.

### 4. General Characteristics

#### 4.1 VECTOR 5

The VECTOR 5 transmitter is a transmitter that can manage up to 5 Radio Channels. Moreover the transmitter has a virtual channel (sequence program, indicate with "SE" symbol, see section 6.1) which send the selected command to all active radio channels in series. Each channel can be enable or disable (see section 5). For each 5 radio channels supported can be set up some special functions (see section 7 and 8).



#### 4.2 VECTOR 10

The VECTOR 10 transmitter is a transmitter that can manage up to 10 radio channels. Moreover the transmitter has a virtual channel (sequence program channel, indicate with "SE" symbol, see section 6.1) which send the selected command to all active radio channels in series. Each Channel can be enable or disable (see section 5). For each 10 radio channels supported can be set up some special functions (see section 7 and 8).



#### 4.3 VECTOR 20

The VECTOR 20 transmitter is a transmitter that can manage up to 20 radio channels. Moreover the transmitter has 4 programmable virtual channels (groups, indicate with "G1" ... "G4" symbols see section 6.2) which send to all channel radio, members of the current group, the selected command in series. Each Channel can be enable or disable (see section 5). For each 20 radio channels supported can be set up some special functions (see section 7 and 8).



## 5. Active channels setting

If the transmitter radio channel numbers are above the needful, is possible deactivate the radio channel in excess. Anyway it will be possible in every moment active again this radio channel.

### To enable or disable the radio channels:

- Keep press **PREV** and also press **NEXT** and keep hold both buttons for about 10 sec, until on the display lighting the symbol **01**.
- Using **PREV** or **NEXT** to select the channel to be enable or disable.
- If on the right of the channel number the point is turn on, it indicates that the channel is actually enable.
- To change the setting press **STOP**.
- Repeat for all channels to change the settings.
- Completed all settings waiting that the display switches off (about 10 sec) or press shortly **PROG**.
- If the operation is correctly performed, using **PREV** and **NEXT** will scroll on the display only the keep activate channel.

## 6. Virtual Channels

### 6.1 Sequence program (VECTOR 5 – VECTOR 10)

The VECTOR 5 and VECTOR 10 transmitters have both a virtual channel (sequence program). The sequence program is indicate on the display with symbol "SE". If is select the sequence program channel and order a supported command (up, stop, down, stop+up, stop+down), this command will be send to all active radio channels.

### 6.2 Groups (VECTOR 20)

The VECTOR 20 transmitter has 4 programmable virtual channel (groups). Groups will be indicated on display with symbols "G1" ... "G4". If a group is select and order a supported command (up, stop, down, stop+up, stop+down), this command will be send in series to all active radio channels member of the group.

#### 6.2.1 Setting of groups

- Keep hold down **STOP** hold also **PROG** and keep hold both buttons for about 2 sec, until on the display shows the symbol **G1**.
- Using **PREV** or **NEXT** to select the group to set up.
- Press **STOP**. On display lighting the symbol **01**.
- If on the right of channel number the point is turn on, it indicates that the channel belongs to the group.
- To change setting press **STOP**.
- Using **PREV** or **NEXT** to scroll the channel and **STOP** to change setting.
- Completed all settings waiting (about 10 sec) or press shortly **PROG**. The display stops to lighting and appares the group symbol just setting.
- Repeat for all groups to change setting.
- Completed all group setting waiting that display switching off (about 10 sec), or press shortly **PROG**.

#### Note:

If a group is active but anyone belong to the group, the command of this group cannot be follow and the display visualize symbol **Er** (Error).

## 7. "Sun" Function / "Automatic Downward" Function

If the receiver device has "Sun" function or "Automatic Downward" function, is possible activate or deactivate the function directly form the transmitter. The factory sets up this function as "inactive". If the point on the right of the channel number is turn on, it indicates that for that channel "sun"/"automatic downward" function is active.

### To change this setting:

- Using **PREV** or **NEXT** to select the channel.
- Keep hold **STOP**, hold also **NEXT** and keep hold both for about 2 sec, until the point on the right of the channel number change condition (if switching off it switches on, if switching on it switches off).
- Execute a transmission to communicate the change to receiver control tuned to the channel.

## 8. "Anemometric Test"function / "Delay with insertion on general command" Function

If the receiver device has "Anemometric Test" function or "Delay with insertion on general command" function, is possible activate or deactivate this function directly from the transmitter. The factory sets up this function as "inactive". If the point between the two codes of the channel number is turn on, it indicates that for that channel "Anemometric Test" / "Delay with insertion on general command" function is active.

### To change this setting:

- Using **PREV** or **NEXT** to select the channel.
- Keep hold **STOP** hold also **PREV** and keep hold both for about 2 sec, until the point between the two codes of the channel number change condition (if switching off it switches on, if switching on it switches off).
- Execute a transmission to communicate the change to receiver control tuned to the channel.

## 9. Indication battery loading condition

To verify the battery loading condition, keep hold **PREV** hold also **NEXT**. The display indicates **bH** (battery high) if the battery is load, **bL** (battery low) if the load battery level is not enough to assure full capacity of the transmitter (the transmission capacity will be reduced gradually until to be necessary battery replacement).

## 10. Battery Replacement

This transmitter is powered by 3 Volts Battery type CR2032. To replace the batteries, open the unscrew, the back of the transmitter and slip off the expired battery, replacing with a new ones, pay attention with the polarity. Reintegrate the unscrew in its special side.

**WARNING: explosion danger if the battery is replaced with an unsuitable one. The expired battery must be disposed in the special containers**



## 11. Expired

At the end of the cycle of the product, dispose as provided by local regulation. This product can be contain polluting substance for the environment and dangerous for health, is forbidden dispose the product with the domestic waste.

- All the products and the specific technicals contained in this document are subjected to variations without any warning.
- Only in case of concessions and specific case previously agreement with the head office the device has to be used only with received device from the same head office.
- The manufacturer can not be considered responsible for eventual damage caused by inappropriate, wrong or unreasonable use.
- MASTER declares that the device is accordance with the principal requirement and the other arrangement provided by directive 1999/5/CE. The declaration of conformity is available in this site [http://www.mastermotion.eu.it-](http://www.mastermotion.eu.it/)  
[IT/download.](#)