



## THE COSMO|L REMOTE CONTROL

**MOBILUS MOTOR Spółka z o.o.**

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Version 1.3ENG, 171020

## 01. PROGRAMMING MODE

**WARNING!** Do not program the remote control when the shutter is in the extreme position (top or bottom). Each program and changes of motor's operation directions are confirmed by two micro-movements of the driver.

Failure to comply with these rules may result in damage the blinds (inhaled by the housing).

1. Enter **MOBILUS motor, serie R** in the PROGRAMMING MODE OF MASTER REMOTE:

- press for 5 seconds **PROGRAMMING BUTTON** in the motor - Fig. 1a;
- or double turn off and turn on the power supply of the motor - Fig. 1b;

The confirmation of properly performed operation will be two micro-movements of the motor driver - Fig. 1c.

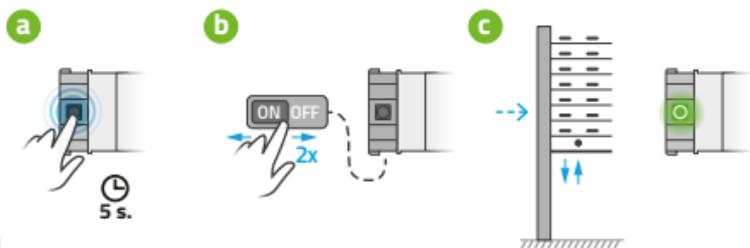


Fig. 1

**WARNING!** If no programming action is taken within 20 seconds, the drive will do two half turns, and the motor will automatically change to the operating mode – it won't be programmed.

## 02. LOADING THE REMOTE CONTROL INTO THE TUBULAR MOTOR MEMORY

1. Remove the control from its frame as some programming buttons are located on the back side of the control. - Fig. 2a.

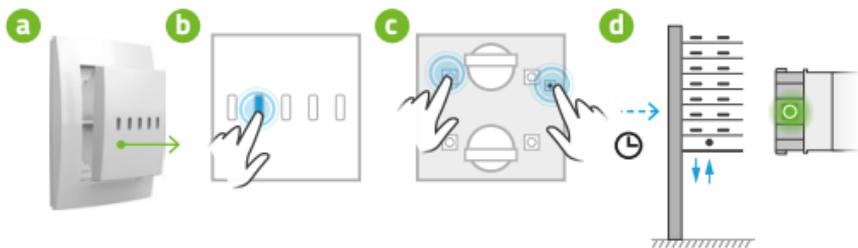


Fig. 2

2. Select the right channel ( unless it is a 1-channel control COSMO | L1 ). - Fig. 2b.

3. Enter **MOBILUS motor, serie R** in the PROGRAMMING MODE.

4. Press the **STOP** and **UP** buttons (on the back side of the remote control) and hold them until the drive does two half turns.

## CONTINUED 02. LOADING THE REMOTE CONTROL INTO THE TUBULAR MOTOR MEMORY

**WARNING!** If it is the first remote control loaded into the receiver, this is the **MASTER** remote control and the motor will change to the operating mode. Using the **MASTER** remote control, it is now possible to operate the motor or program other remote controls. No channel will be loaded by the motor if the remote control sends signals for several channels simultaneously.

## 03. PROGRAMMING THE SECOND REMOTE CONTROL AND EACH SUBSEQUENT ONE

1. On the **MASTER** remote control simultaneously press the **STOP** and **UP** - Fig. 3.1a. Hold the buttons until the motor driver will perform two micro-movements confirming the input of the motor in the **PROGRAM MODE** - Fig. 3.1b.
2. On the second remote control, you want to program, press the (in the case of the multi-channel remote control) **STOP** and **UP**, Hold the buttons until the motor driver will perform two micro-movements - Fig. 3.2.

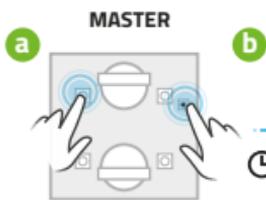


Fig. 3.1

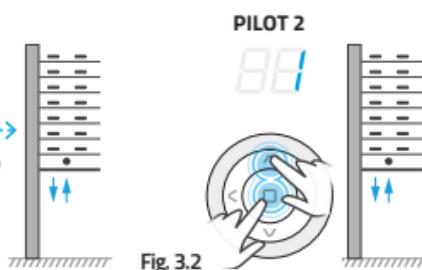


Fig. 3.2

**Another remote control (channel) has been loaded into the motor memory.**

The next remote control can be loaded as well. However, if no programming action is taken within 20 seconds – the motor will automatically change to the operating mode. This can be also done manually, by means of the **MASTER** remote control. To set the operating mode manually, press the **STOP** and **UP** buttons on the **MASTER** remote control simultaneously and hold them for more than 5 seconds. In both cases, the operating mode will be indicated by two half turns of the drive.

## 04. CHANGE OF MOTOR'S OPERATION DIRECTION

1. If you press the directional button on the remote **UP**, and shutter goes **DOWN** (Fig. 4a) change the direction of rotation of the drive: on the remote control simultaneously press and hold the buttons **DOWN** and **UP**, until the drive executes one sequence of micro down / up moves (Fig. 4b). Check the operation of the buttons **UP** / **DOWN** (Fig. 4c).

## CONTINUED 04. CHANGE OF MOTOR'S OPERATION DIRECTION

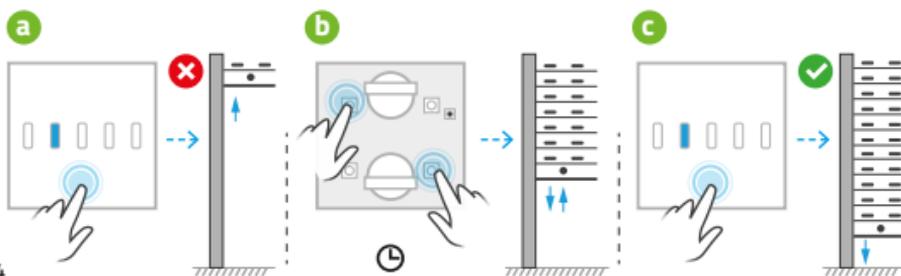


Fig. 4

## 05. SELECTING THE CHANNEL

Channels are selected by means of the buttons located on the front panel of the remote control. After pressing a button, it is illuminated and the radio channel is enabled. Channels can be chosen freely.



Fig. 5.1

### CAUTION!

1. Standby mode: pressing the **UPPER AREA**  or the **LOWER AREA**  on the panel will only cause the wakeup and the display of the previously recorded, active channel or the combination of channels ( no signal will be transmitted ).
  2. Standby mode: pressing any of the selection buttons will wake up the transmitter and cause illumination/activation of the channel being chosen (then, other channels can be enabled ).
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3. If the **UPPER AREA**  or the **LOWER AREA**  is not pressed before the transmitter changes to the standby mode, the newly selected combination of channels will not be saved ( after waking up the device from the standby mode by pressing the **UPPER AREA** lub **LOWER AREA** ) the previous combination will be used ).
4. Each pressing of the **UPPER AREA**  or the **LOWER AREA**  in the operating mode will save the selected channel or the combination of channels in the memory of the device and the "up" or "down" signal will be sent.

Fig. 5.2

## CONTINUED 05. SELECTING THE CHANNEL

5. After pressing any of the selection buttons in the operating mode, the button is enabled or disabled (depending on the previous state). Depending on the next action, point 3 or 4 is applicable.

**NOTE** After putting the remote control into the frame, there is no access to the **STOP** button. To stop the motor, press the opposite area of the panel. This rule applies only to the **COSMO** operating pilot L with **COSMO** receivers.

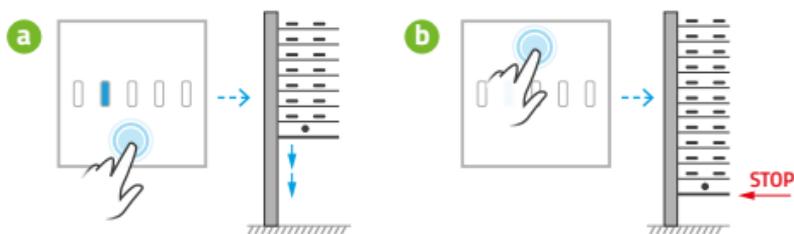


Fig. 5.5

**FOR EXAMPLE** After pressing the **LOWER AREA** ▼ Fig. 5.5a on the panel, the motor can be stopped at any time by pressing the **UPPER AREA** ▲ Fig. 5.5b.

## 06. TECHNICAL PARAMETERS

- L1 1-channel emitter
- L5 5-channel emitter
- rolling code
- FSK modulation
- 868 MHz
- 2 x Li Cr2032 3V



- Radio protocol: COSMO / COSMO | 2WAY ( control remotes are not bi-directional remotes, ie they are not capable of displaying feedback).

## 07. TRANSMISSION PROTOCOL SWITCHING COSMO - COSMO | 2WAY

Control remotes **COSMO | L1**, **COSMO | L5** works in latest version of radio communication **COSMO | 2WAY**. Control remotes **COSMO | L1**, **COSMO | L5** are not bi-directional remotes, ie they are not capable of displaying feedback.

If you need to change the mode to an older version (for example, if you purchase a new remote control for older **COSMO** radio tubular motors), follow these instructions:

1. Activate the remote control.
2. At the same time, press and hold the UP  + DOWN  buttons on the back of the controller for 20 seconds.
3. When the LEDs are lit, the corresponding communication standard is activated:

LEDs flashing rapidly -the latest radio communication **COSMO | 2WAY**

LEDs blinking slowly - previous communication **COSMO**

**It is not possible to check the active communication mode.**



**COSMO | L1**



**COSMO | L5**



## 09. WARRANTY

The manufacturer guarantees correct device functioning. The manufacturer also agree to repair or replace device damaged if the damage results from defects in materials and construction.

The warranty is valid for 24 months from the date of purchase under the following conditions:

- Installation was made by a person authorized in accordance with the manufacturer's instructions
- Seals haven't been breached and unauthorized design changes haven't been made.
- The device was operated as intended by the user manual.
- Damage is not a result of the improperly performed electrical installation or any atmospheric phenomena.
- The manufacturer is not responsible for damage resulting from misuse or mechanical damage.
- In case of failure the device should be provided for repair with proof of purchase.

Defects found during the warranty period will be removed free for no longer than 14 working days from the date of acceptance of device for repair. The manufacturer MOBILUS MOTOR Sp. z o.o. carries on warranty repairs. If you have any questions, please contact your dealer (please provide the following information: event description, description of the error, the conditions under which the accident occurred).

## 10. MAINTENANCE

1. For cleaning, use a soft cloth (eg. microfiber), moistened with water. Then wipe dry.
2. Do not use chemicals.
3. Avoid using in soiled and dusty environments.
4. Do not use the device at temperatures higher or lower than the declared range.
5. Do not open the device - otherwise the warranty shall be lost.
6. The device is sensitive to dropping, throwing.

## 11. ENVIRONMENTAL PROTECTION



This appliance is marked according to the European Directive on Waste Electrical and Electronic Equipment (2002/96/EC) and further amendments. By ensuring this product is disposed of correctly, you will help to prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The symbol on the product, or the documents accompanying the product, indicates that this appliance may not be treated as household waste. It shall be handed over to the applicable collection point for the waste electrical and electronic equipment for recycling purpose. For more information about recycling of this product, please contact your local authorities, your household waste disposal service or the shop where you purchased the product.