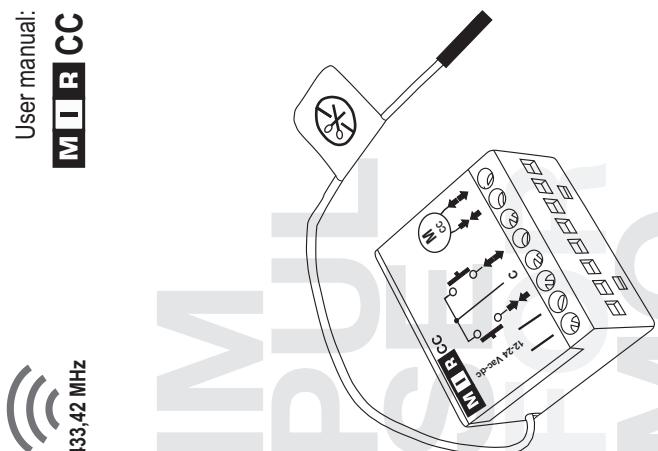


# MASTER

User manual:  
**MIR CC**  
433,42 MHz



## 01. WARNINGS!

### 01A. WARNINGS FOR SAFETY

- ✓ Incorrect installation can cause serious injuries.
- ✓ Keep these instructions for future maintenance work and disposal of the product.
- ✓ All the product installation, connection, programming and maintenance operations must be carried out only by a qualified and skilled technician, who must comply with laws, provisions, local regulations and the instructions given in this manual.
- ✓ The wiring must comply with current IEC standards.
- ✓ Some applications require hold-to-run operation and can exclude the use of radio controls or require particular safety devices.
- ✓ To prevent potentially dangerous situations, check the operating condition of the roller shutter/awning regularly.

### 01B. WARNINGS FOR INSTALLATION

- ✓ Check that the package is intact and has not been damaged in transit.
- ✓ The product is designed to be inserted inside of junction boxes. The module does not provide any protection against water and only essential protection for contact with solids.
- ✓ It is forbidden to install the module in areas not adequately protected, and near sources of heat.
- ✓ Use momentary (hold-to-run) control buttons. Do NOT use stay-put switches.
- ✓ Position the buttons within sight of the roller shutter/awning, but a long way from its moving parts.
- ✓ Position the buttons more than 1,5 m from the floor.
- ✓ Install the product carefully, using suitable tools.
- ✓ If there are several radio appliances in the same system, they must not be less than 1,5 m apart.
- ✓ Do not modify or replace parts without the manufacturer's permission. Do not pierce or tamper the box.
- ✓ The antenna cable carries line voltage. Do not cut the antenna cable as this would be dangerous. If the antenna cable is damaged, replace the product.

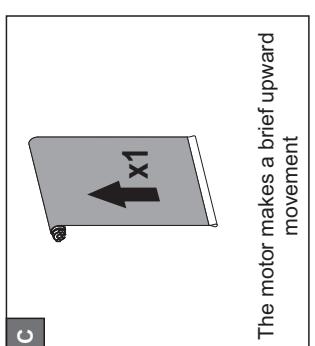
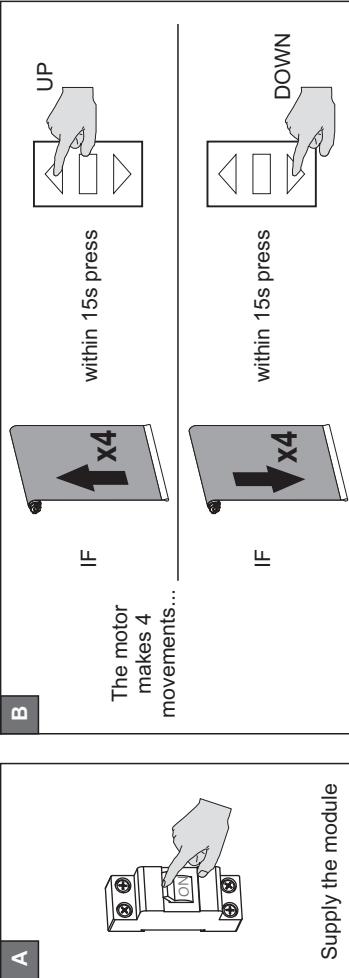
### 01C. WARNINGS FOR USE

- ✓ The product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are supervised or given instructions on how to use the product by a person responsible for their safety.
- ✓ Before operating the roller shutter/awning, make sure there are no people or objects in the area involved in its movement. Check the automation during movement and keep people at a safe distance, until the movement ends.
- ✓ Do not allow children to play with the appliance or with the fixed control devices. Also, keep the portable control devices (remote controls) out of the reach of children.
- ✓ Do not operate the roller shutter/awning when maintenance operations are being carried out (e.g. window cleaning). If the control device is automatic, disconnect the motor from the power line.

## 03. FIRST INSTALLATION

This procedure is used to memorize the first transmitter.

**Warning:** before starting the installation procedure, adjust the mechanical limit switches of the motor connected to the module.



The motor makes 4 movements...

within 15s press

IF

x4

IF

x4

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x1

C

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x1

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x1

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## 05. OPERATING LOGIC OF WIND SENSOR

If a wind radio sensor measures that the wind speed is above the threshold set on the sensor, the wind sensor sends the message of "wind alarm": the modules tuned to it makes an upward manoeuvre and commands are inhibited as long as it remains the dangerous situation.

### 05.1 TEST RADIO FUNCTION

As soon as in the module is stored a wind sensor's automatically activated control of communication between the wind sensor and the module. If communication is lost for more than 60 minutes, the module performs an upward movement for the protection of the roller. This manoeuvre is performed automatically every 60 minutes until the restoration of radio communication. The factory recommends keeping the "radio test" in order to identify in good time any malfunction of the radio sensor. With the following procedure you can enable or disable the "test radio":

ARCO	FLUTE, KUADRO, KORT
01. Bring the motor in an intermediate position 02. Press MENU for about 5 sec, until «rS» appears on display 03. Press 1 time PREV / 7 times NEXT. 04. Press STOP. The motor signals: 1 up = active, 1 down = inactive 05. To deactivate: press PREV To activate: press NEXT 06. Press STOP. The motor signals: 1 up = active, 1 down = inactive	01. Bring the motor in an intermediate position 02. Holding down STOP, press PROG for about 1 sec, until LEDs light 03. Press 1 time UP / 7 times DOWN. 04. Press STOP. The motor signals the current value (1) 05. Press UP and DOWN to set a new value (3) 06. Press STOP. The motor signals the new value (1)

### 06. OPERATING LOGIC OF SUN SENSOR

If the sun sensor measures a brightness above the threshold set for at least 2.5 minutes, sends the message "sun" and modules, tuned to it, command a downward movement. If the sun sensor measures a brightness below the threshold set for at least 18 minutes, sends the message of "no sun" and modules MIR CC, tuned to it, performs an upward movement. The "sun function" can be activated / deactivated from the transmitter (see transmitter manual under "sun function"). If the "sun function" is inactive, MIR CC ignores the commands about the sun sent from the radio sensor.

### 07. OPERATING LOGIC OF RAIN SENSOR

If the rain sensor measures a rain intensity exceeds the threshold set on the sensor, the rain sensor sends the message "rain" and modules MIR CC, tuned to it, performs an upward or downward manoeuvre, according to how is set the rain sensor. The manual controls are still active. More rain sensors can be stored in the same MIR CC.

### 08. "AIR CHANGE" FUNCTION

This feature is especially useful if you want to identify a favorite position of the roller blind. Recalling the intermediate limit switch function by a stored portable transmitter, a complete operation of descent is carried out and elapsed the worktime, a short upward movement is carried out whose duration can be set via this parameter.

ARCO	FLUTE, KUADRO, KORT
01. Bring the motor in an intermediate position 02. Press MENU for about 5 sec, until «rS» appears on display 03. Press 8 times NEXT. 04. Press STOP. The motor signals the current value (1 to 7 movements) 05. Press DOWN the number of times equal to the desired setting (1 to 7) 06. Press STOP. The motor signals the new value (1 to 7 movements)	01. Bring the motor in an intermediate position 02. Holding down STOP, press PROG for about 1 sec, until LEDS light 03. Press 8 times DOWN. 04. Press STOP. The motor signals the current value (1 to 7 movements) 05. Press UP the number of times equal to the desired setting (1 to 7) 06. Press STOP. The motor signals the new value (1 to 7 movements)

✓ If you try to set «AIR Change» greater than level 7, the value is rejected and the motor makes 2 short movements down. ✓ When «AIR Change» is set on level 1 (inactive), if you command the orientation movements by transmitter or by command buttons, the motor will not move.	01. Bring the motor in an intermediate position 02. Press MENU for about 5 sec, until «rS» appears on display 03. Press 8 times NEXT. 04. Press STOP. The motor signals the current value (1 to 7 movements) 05. Press DOWN the number of times equal to the desired setting (1 to 7) 06. Press STOP. The motor signals the new value (1 to 7 movements)
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### 09. TILTING FUNCTION

This feature can be useful, for example in the handling of sun protection.

If the function is activated, the **RIGHT** and **LEFT** function of the transmitters will command short movements which will allow easy orientation of the sun protection.

The command can also be given by any buttons connected to the module, to use the function, press a button (less than 0.5 sec), then press it again and hold it until you reach the desired orientation. The factory sets the function to inactive.

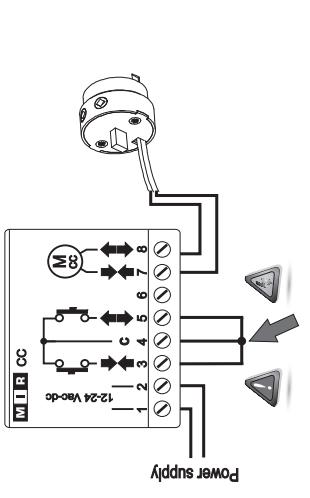
ARCO	FLUTE, KUADRO, KORT
01. Bring the motor in an intermediate position 02. Press MENU for about 5 sec, until «rS» appears on display 03. Press 1 time PREV / 2 times NEXT. 04. «12» appears on display 05. Press STOP. The motor signals the current value (1 to 5 movements) 06. Press NEXT the number of times equal to the desired setting (1 to 5) 07. Press STOP. The motor signals the new value (1 to 5 movements)	01. Bring the motor in an intermediate position 02. Holding down STOP, press PROG for about 1 sec, until LEDS light 03. Press 1 time UP / 2 times DOWN. 04. Press STOP. The motor signals the current value (1 to 5 movements) 05. Press DOWN the number of times equal to the desired setting (1 to 5) 06. Press STOP. The motor signals the new value (1 to 5 movements)

If you try to set «Orientation time» greater than level 5, the value is rejected and the motor makes 2 short movements down.  
✓ When «Orientation time» is set on level 1 (inactive), if you command the orientation movements by transmitter or by command buttons, the motor will not move.

## 10. WORKING TIME

Is the closure time of the relays when a manoeuvre is commanded; the working time can be set from 5 to 240 seconds. The factory sets the "working time" to 120 sec.

ARCO	01. Bring the motor in an intermediate position 02. Press MENU for about 5 sec, until «rS» appears on display 03. Press 7 times NEXT. 04. Press STOP. The motor signals the current value (1) 05. Press PREV and NEXT to set a new value(2) 06. Press STOP. The motor signals the new value (1)	Other transmitters... See the User manual of the transmitter at section: «RECEIVER MENU - Function 07»
FLUTE, KUADRO, KORT	01. Bring the motor in an intermediate position 02. Holding down STOP, press PROG for about 1 sec, until LEDs light 03. Press 7 times DOWN. 04. Press STOP. The motor signals the current value (1) 05. Press UP and DOWN to set a new value (3) 06. Press STOP. The motor signals the new value (1)	VISIO 01. Bring the motor in an intermediate position 02. Press MENU, «Menu rx» appears on display 03. Press 7 times NEXT. 04. «07» appears on display 05. Press STOP. The motor signals the current value (1) 06. Press UP and DOWN to set a new value (3) 07. «07» appears on display 08. Press STOP. The motor signals the new value (1)
ARCO	(1) Example: 1 movement - pause - 5 movements = 15 sec ● Example: 2 movements - pause - 1 long movement = 210 sec (2) Example: 15 sec = press PREV 1 time and NEX 5 times ● Example: 210 sec = press UP 21 times (3) Example: 15 sec = press UP 1 time and DOWN 5 times ● Example: 210 sec = press UP 21 times If you try to set «Working time» lower than 5s or greater than 240s, the value is rejected and the motor makes 2 short movements down	Other transmitters... See the User manual of the transmitter at section: «RECEIVER MENU - Function 18 - Buttons logic»
FLUTE, KUADRO, KORT	01. Bring the motor in an intermediate position 02. Holding down STOP, press PROG for about 1 sec, until LEDs light 03. Press 1 time PREV / 7 times NEXT. 04. «17» appears on display 05. Press STOP. The motor signals: 1 up = active, 1 down = inactive 06. To deactivate: press DOWN To activate: press UP 07. Press STOP. The motor signals: 1 up = active, 1 down = inactive	VISIO 01. Bring the motor in an intermediate position 02. Press MENU, «Menu rx» appears on display 03. Press 1 time PREV / 7 times NEXT. 04. «17» appears on display 05. Press STOP. The motor signals: 1 up = active, 1 down = inactive 06. To deactivate: press UP To activate: press DOWN 07. Press STOP. The motor signals: 1 up = active, 1 down = inactive
ARCO	01. Bring the motor in an intermediate position 02. Press MENU for about 5 sec, until «rS» appears on display 03. Press 1 time PREV / 8 times NEXT. 04. «18» appears on display 05. To activate the motor press a button for at least 0.5 seconds, to stop the motor release the button. The factory sets the device to work in PULSE logic. To change this setting:	Other transmitters... See the User manual of the transmitter at section: «RECEIVER MENU - Function 18 - Buttons logic»
FLUTE, KUADRO, KORT	01. Bring the motor in an intermediate position 02. Holding down STOP, press PROG for about 1 sec, until LEDs light 03. Press 1 time UP / 8 times DOWN. 04. Press STOP. The motor signals: 1 up = hold-to-run, 1 down = pulse 05. To select PULSE: press DOWN To select HOLD-TO-RUN: press UP 06. Press STOP. The motor signals: 1 up = hold-to-run, 1 down = pulse	VISIO 01. Bring the motor in an intermediate position 02. Press MENU, «Menu rx» appears on display 03. Press 1 time PREV / 8 times NEXT. 04. «18» appears on display 05. Press STOP. The motor signals: 1 up = hold-to-run, 1 down = pulse 06. To select PULSE: press PREV To select HOLD-TO-RUN: press NEXT 07. Press STOP. The motor signals: 1 up = hold-to-run, 1 down = pulse
ARCO	01. Bring the motor in an intermediate position 02. Press MENU for about 5 sec, until «rS» appears on display 03. Press 1 time PREV / 8 times NEXT. 04. «18» appears on display 05. Press STOP. The motor signals: 1 up = hold-to-run, 1 down = pulse 06. To select PULSE: press PREV To select HOLD-TO-RUN: press NEXT 07. Press STOP. The motor signals: 1 up = hold-to-run, 1 down = pulse	12. RESET FLUTE, KUADRO, KORT 01. Bring the motor in an intermediate position 02. Holding down STOP, press PROG for about 1 sec, until LEDs light 03. Press 1 time UP / 8 times DOWN. 04. Press STOP. The motor flashes, the motor performs some movement 05. Press together UP and DOWN for about 2 seconds until the motor indicates that the reset was performed (1 moving up / down). 06. Disconnect the power supply and reinstall the motor (see section 3).
ARCO	01. Bring the motor in an intermediate position 02. Press MENU for about 5 sec, until «rS» appears on display 03. Press 2 time PREV / 9 times NEXT. 04. «29» appears on display 05. Press STOP. The motor flashes, the motor performs some movement 06. Press together UP and DOWN for about 2 seconds until the motor indicates that the reset was performed (1 moving up / down). 07. Disconnect the power supply and reinstall the motor (see section 3).	12A. RESET USING A MEMORIZED TRANSMITTER FLUTE, KUADRO, KORT 01. Bring the motor in an intermediate position 02. Press MENU for about 5 sec, until «rS» appears on display 03. Press 2 time PREV / 9 times NEXT. 04. «29» appears on display 05. Make sure that this radio channel controls only the device you want to reset.
ARCO	01. Bring the motor in an intermediate position 02. Press MENU for about 5 sec, until «rS» appears on display 03. Press 8 times NEXT. 04. «8» appears on display 05. Press STOP. The motor signals the current value (1 to 7 movements) 06. Press UP the number of times equal to the desired setting (1 to 7) 07. Press STOP. The motor signals the new value (1 to 7 movements)	12B. RESET USING THE BUTTON INPUT FLUTE, KUADRO, KORT 01. Bring the motor in an intermediate position 02. Holding down STOP, press PROG for about 1 sec, until LEDs light 03. Press 2 time UP / 9 times DOWN. 04. Press STOP. The LEDS flash, the motor performs some movement 05. Press together UP and DOWN for about 2 seconds until the motor indicates that the reset was performed (1 moving up / down). 06. Disconnect the power supply and reinstall the motor (see section 3).
FLUTE, KUADRO, KORT	01. Bring the motor in an intermediate position 02. Press MENU, «Menu rx» appears on display 03. Press 8 times NEXT. 04. «08» appears on display 05. Press STOP. The motor signals the current value (1 to 7 movements) 06. Press UP the number of times equal to the desired setting (1 to 7) 07. Press STOP. The motor signals the new value (1 to 7 movements)	VISIO 01. Bring the motor in an intermediate position 02. Press MENU, «Menu rx» appears on display 03. Press 8 times NEXT. 04. «08» appears on display 05. Press STOP. The motor signals the current value (1 to 7 movements) 06. Press UP the number of times equal to the desired setting (1 to 7) 07. Press STOP. The motor signals the new value (1 to 7 movements)
ARCO	✓ If you try to set «AIR Change» greater than level 7, the value is rejected and the motor makes 2 short movements down. ✓ When «AIR Change» is set on level 1 (inactive), if you command the orientation movements by transmitter or by command buttons, the motor will not move.	Other transmitters... See the User manual of the transmitter at section: «RECEIVER MENU - Function 08»
FLUTE, KUADRO, KORT	01. Bring the motor in an intermediate position 02. Holding down STOP, press PROG for about 1 sec, until LEDs light 03. Press 8 times DOWN. 04. Press STOP. The motor signals the current value (1 to 7 movements) 05. Press UP the number of times equal to the desired setting (1 to 7) 06. Press STOP. The motor signals the new value (1 to 7 movements)	VISIO 01. Bring the motor in an intermediate position 02. Press MENU, «Menu rx» appears on display 03. Press 8 times DOWN. 04. Press STOP. The motor signals the current value (1 to 7 movements) 05. Press UP the number of times equal to the desired setting (1 to 7) 06. Press STOP. The motor signals the new value (1 to 7 movements)
ARCO	✓ If you try to set «Orientation time» greater than level 5, the value is rejected and the motor makes 2 short movements down. ✓ When «Orientation time» is set on level 1 (inactive), if you command the orientation movements by transmitter or by command buttons, the motor will not move.	Other transmitters... See the User manual of the transmitter at section: «RECEIVER MENU - Function 12 - Orientation»
FLUTE, KUADRO, KORT	01. Bring the motor in an intermediate position 02. Holding down STOP, press PROG for about 1 sec, until LEDs light 03. Press 1 time UP / 2 times DOWN. 04. Press STOP. The motor signals the current value (1 to 5 movements) 05. Press NEXT the number of times equal to the desired setting (1 to 5) 06. Press STOP. The motor signals the new value (1 to 5 movements)	VISIO 01. Bring the motor in an intermediate position 02. Press MENU, «Menu rx» appears on display 03. Press 1 time UP / 2 times DOWN. 04. «12» appears on display 05. Press STOP. The motor signals the current value (1 to 5 movements) 06. Press UP the number of times equal to the desired setting (1 to 5) 07. Press STOP. The motor signals the new value (1 to 5 movements)
ARCO	✓ If you try to set «Orientation time» greater than level 5, the value is rejected and the motor makes 2 short movements down. ✓ When «Orientation time» is set on level 1 (inactive), if you command the orientation movements by transmitter or by command buttons, the motor will not move.	Other transmitters... See the User manual of the transmitter at section: «RECEIVER MENU - Function 18 - Buttons logic»
FLUTE, KUADRO, KORT	01. Bring the motor in an intermediate position 02. Holding down STOP, press PROG for about 1 sec, until LEDs light 03. Press 1 time UP / 2 times DOWN. 04. Press STOP. The motor signals the current value (1 to 5 movements) 05. Press UP the number of times equal to the desired setting (1 to 5) 06. Press STOP. The motor signals the new value (1 to 5 movements)	VISIO 01. Bring the motor in an intermediate position 02. Press MENU, «Menu rx» appears on display 03. Press 1 time UP / 2 times DOWN. 04. «12» appears on display 05. Press STOP. The motor signals the current value (1 to 5 movements) 06. Press UP the number of times equal to the desired setting (1 to 5) 07. Press STOP. The motor signals the new value (1 to 5 movements)



- ✓ Switch off power supply to the module
- ✓ Connect as shown in figure
- ✓ Switch ON power supply and wait 30 seconds until the motor makes 2 alternating movements, to indicate that factory conditions are restored.
- ✓ Switch off power supply to the module
- ✓ Restore the connections (see section 02. ELECTRICAL CONNECTIONS)
- ✓ Follow the instruction at section 03. FIRST INSTALLATION

ARCO	FLUTE, KUADRO, KORT
01. Bring the motor in an intermediate position 02. Press MENU, «Menu rx» appears on display 03. Press 8 times NEXT. 04. «29» appears on display 05. Press STOP. The motor flashes, the motor performs some movement 06. Press together UP and DOWN for about 2 seconds until the motor indicates that the reset was performed (1 moving up / down). 07. Disconnect the power supply and reinstall the motor (see section 3).	Other transmitters... See the User manual of the transmitter at section: «RECEIVER MENU - Function 29 - Receiver reset»

- ✓ If a wind radio sensor measures that the wind speed is above the threshold set on the sensor, the wind sensor sends the message of "wind alarm": the modules tuned to it makes an upward manoeuvre and commands are inhibited as long as it remains the dangerous situation.