BREL Vestamatic GROUP

SCAN ME

INSTALLATION AND OPERATING INSTRUCTIONS
MC P2 SERIES

MC P2

This manual is suitable for the following products:

- MC P2 (01077010)
- MC P2 Complete (01077014)

Documentnumber: 85202321 E1

Programmable motor control for controlling and individually operating two sun protection systems.

Read the manual before starting the installation.
Failure to follow the instructions may result in defects that are not covered by the warranty. Errors and technical changes excepted.

Manual EN

Manual NL

Vestamatic International GmbH | Am Tannenbaum 2 | 41066 Mönchengladbach | Germany
E-Mail: info@vestamatic.com | www.vestamatic.com

CONTENT

- Safety instructions 2
- Variants 3
- Technical data 3
- Installation / Wiring diagram / Operation 4
- IDS Function 6
- Functional description 6
- Maintenance / Warranty 12

SAFETY INSTRUCTIONS

GENERAL SAFETY INFORMATION

These safety instructions are an integral part of the product and must be read and fully understood before installation, electrical connection, commissioning and operation.

- The MC P2 is intended exclusively for controlling two 230 V AC motors for shading systems.
- Installation, electrical connection and commissioning may only be carried out by a qualified electrician.
- All applicable standards and regulations must be observed, in particular DIN VDE 0100/0700 and the regulations of local energy suppliers and accident prevention rules.
- The device must be inspected for visible damage before installation. Damaged devices must not be put into operation.
- Modifications or alterations to the device are prohibited and will void all warranty and liability claims.
- The operator is responsible for ensuring that these safety instructions are made available to all subsequent users.

SAFETY WARNINGS

ELECTRICAL HAZARDS
DANGER – Risk of fatal electric shock. Disconnect the mains voltage completely before installation and before working on the device.

HAZARDS FROM MOVING SUN SHADING SYSTEMS | WARNING – Risk of injury due to crushing, shear points or uncontrolled movements.

NOTE
The complete safety instructions can be found at: www.vestamatic.com/safety

SCAN ME

SUPPORT/CONTACT

Vestamatic International GmbH
Am Tannenbaum 2 | 41066 Mönchengladbach
E-Mail: info@vestamatic.com

VARIANTS

- **MC P2**

- **MC P2 COMPLETE**
  Grommets already installed (6x M16, 2x M20)

TECHNICAL DATA

SHORT DESCRIPTION

- Microprocessor-powered motor controller for two sunshades Standard 3-wire central input
- Direct connection available for two 230VAC motors
- Connection available for two individual buttons
- Separate connection terminals for mains supply and central transmission
- Secure connection via cage clamp terminal up to 2.5 mm^2
- 8 different operating modes can be set, incl. inching mode and intelligent decentralised operation
- Motor run time/tilting time can be individually set

PARAMETER	VALUE
Power supply	230VAC, 50 Hz
Impulse voltage withstand level	2,5 kV
Rated power	1,8 W
Fuse	6 AT

TECHNICAL DATA

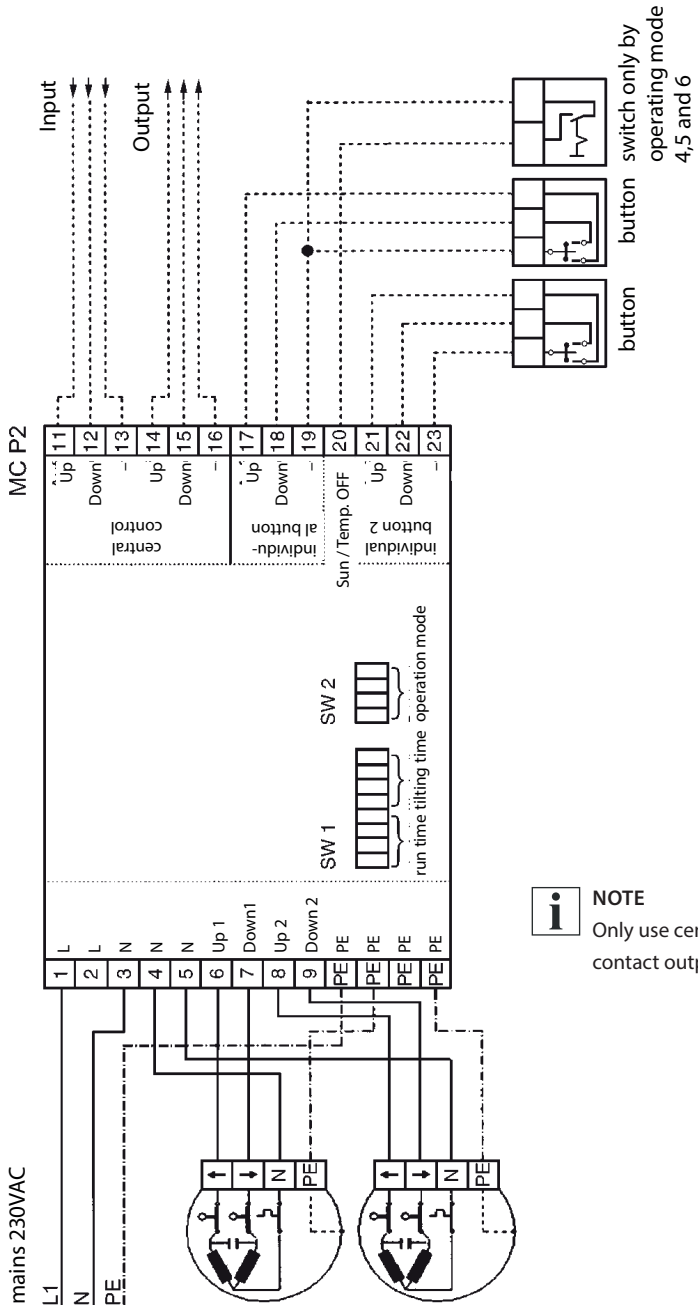
PARAMETER	VALUE
Output Maximum load: Align switching time extend Align switching time	230VAC, 50 Hz 250VAC, 6 A, cos φ ≥ 0,8 ind. 3 – 180 s 180 s
Permissible motor current when 1 motor connected when 2 motor connected	 6 A max. 3 A max. each
Softwareclass	A
Operating temperature	0 ºC (32 °F) to +40 ºC (104 °F)
IP class	IP 40
Degree of pollution	2
Dimensions (L × W × H)	186 × 55 × 74 mm
Conformität	CE

INSTALLATION / WIRING DIAGRAM

NOTES FOR PROFESSIONAL ELECTRICIANS

- 1. Switch off the power supply.
- 2. Remove the screws on the upper part of the control and carefully take the housing cover off.
- 3. Install the control.
- 4. Connect the power supply cables and external connections according to the wiring diagram. Do not lay cables above or below the PC board.
- 5. Set the desired operating mode.
- 6. Set the desired motor run time and the tilting time, if necessary.
- 7. Switch on the power supply.
- 8. Check the motor's direction of rotation and correct it, if necessary.
- 9. Mount the housing cover.

INSTALLATION / WIRING DIAGRAM



NOTE
Only use central control with floating contact output.

OPERATION

WARNING
No individual operation is possible while a central command is being executed.

Individual operation is performed by using a locked/unlocked button.

IDS FUNCTION

- The IDS (Intelligent Decentralised Sunshade control) feature enables the sun- and temperature dependant control signals on the central controls to be disabled when a button is pressed on the decentralised controls. No additional installation work is required.
- In operating mode 4, for example, the IDS-Function enables you to suppress sun- and temperature dependent extract or extend commands while all other central commands, such as for privacy and safety protection use are continuously executed. To enable this function connect a switch to terminal 19 and 20.

FUNCTIONAL DESCRIPTION

WARNING!
The operating modes 4 to 6 may only be used in conjunction with Vestamatic controls with IDS functionality.

OPERATING MODE 1 | APPLICATION
Standard venetian blinds / curtains
Individual control: Pressing the control button for more than 2 seconds moves the sun shading to the end position.
With a short button press (under 2 seconds), the sun shading moves only while the button is held. Central control: The sun shading is operated in hold-to-run mode.

OPERATING MODE 2 | APPLICATION
Venetian blinds / curtains with soft start
Individual control: Pressing the control button for more than 5 seconds moves the sun shading to the end position.
With a short button press (under 5 seconds), the sun shading moves only while the button is held. Central control: The sun shading is operated in hold-to-run mode.

FUNCTIONAL DESCRIPTION

OPERATING MODE 3 | APPLICATION

Roller shutters

Individual control: Pressing the button moves the sun shading immediately to the end position. Central control: The sun shading is operated in hold-to-run mode.

OPERATING MODE 4 | APPLICATION

IDS venetian blinds / curtains with autom. lock

Individual control: Pressing the control button for more than 2 seconds moves the sun shading to the end position. With a short button press (under 2 seconds), the sun shading moves in hold-to-run mode. Central commands: Sun- and temperature-dependent central commands can be suppressed via a switch connected to terminals 31/32.

OPERATING MODE 5 | APPLICATION

IDS special venetian blinds / curtains

Same as Operating Mode 4, but with special function 1 (Tilting via individual control possible)

OPERATING MODE 6 | APPLICATION

IDS special venetian blinds / curtains

Same as Operating Mode 4, but with special function 2 (Tilting via individual control possible).

OPERATING MODE 7 | APPLICATION

Rolläden

Individual control: Pressing the button moves the sun shading immediately to the end position. Central control: Pressing the control button moves the sun shading immediately to the end position.

OPERATING MODE 8 | APPLICATION

Venetian blinds / curtains without soft start

Individual control: Pressing the control button for more than 2 seconds moves the sun shading to the end position. With a short button press (under 2 seconds), the sun shading moves in hold-to-run mode. Central control: Pressing the control button for more than 2 seconds moves the sun shading to the end position.

FUNCTIONAL DESCRIPTION

RUN TIME OF THE EXTEND COMMAND

DIP-Switch SW 1:					
S 1	**S 2**	**S 3**	**S 4**	**RUN TIME**	*
The duration of the retract command is always 180 s.					
OFF	OFF	OFF	OFF	5s	
OFF	OFF	OFF	ON	10s	
OFF	OFF	ON	OFF	15s	
OFF	OFF	ON	ON	18s	
OFF	ON	OFF	OFF	21s	
OFF	ON	OFF	ON	24s	
OFF	ON	ON	OFF	27s	
OFF	ON	ON	ON	30s	
ON	OFF	OFF	OFF	35s	
ON	OFF	OFF	ON	40s	
ON	OFF	ON	OFF	50s	
ON	OFF	ON	ON	60s	
ON	ON	OFF	OFF	80s	
ON	ON	OFF	ON	100s	
ON	ON	ON	OFF	120s	
ON	ON	ON	ON	180s	factory setting

* This is where you can note your project-specific basic settings.

FUNCTIONAL DESCRIPTION

OPERATING MODE

DIP-Switch SW2:							
S 1	**S 2**	**S 3**	**S 4**	**OPERATING MODE**		**TILTING**	*
				No.	Application		
OFF	OFF	OFF	OFF	1	standard Venetian blinds / Curtain blinds	possible only via central command	
OFF	OFF	OFF	ON	2	Venetian blinds Curtain blinds with slow start velocity	possible only via central command	
OFF	OFF	ON	OFF	3	Roller shutters	possible only via central command	
OFF	OFF	ON	ON	4	IDS Venetian bl./Curtain bl with autom. interlock	Adjustable, 0-2s	
OFF	ON	OFF	OFF	5	IDS spec. Venetian blinds/ Curtain blinds special function 1	Adjustable, 0-5s	
OFF	ON	OFF	ON	6	IDS spec. Venetian blinds/ Curtain blinds special function 2	Adjustable, 0-2s	
OFF	ON	ON	OFF	7	Roller shutters	No Tilting possible	
OFF	ON	ON	ON	8	Venetian blinds without slow start velocity	possible only via central command	
ON	X	X	X		inadmissible		

* This is where you can note your project-specific basic settings.

FUNCTIONAL DESCRIPTION

TILTING TIME

TILTING TIME TABLE FOR MODE 4, 6

Depending on the operating mode selected one of the following tables shall apply for setting the required tilting time. The tilting time will only be executed after a central command!

DIP-Switch TILT:					
S 5	**S 6**	**S 7**	**S 8**	**TILTING TIME**	*
OFF	OFF	OFF	OFF	no tilting	factory setting
OFF	OFF	OFF	ON	0.1s	
OFF	OFF	ON	OFF	0.2s	
OFF	OFF	ON	ON	0.3s	
OFF	ON	OFF	OFF	0.4s	
OFF	ON	OFF	ON	0.5s	
OFF	ON	ON	OFF	0.6s	
OFF	ON	ON	ON	0.7s	
ON	OFF	OFF	OFF	0.8s	
ON	OFF	OFF	ON	0.9s	
ON	OFF	ON	OFF	1.0s	
ON	OFF	ON	ON	1.2s	
ON	ON	OFF	OFF	1.4s	
ON	ON	OFF	ON	1.6s	
ON	ON	ON	OFF	1.8s	
ON	ON	ON	ON	2.0s	

* This is where you can note your project-specific basic settings.

FUNCTIONAL DESCRIPTION

TILTING TIME

TILTING TIME TABLE FOR MODE 5

Depending on the operating mode selected one of the following tables shall apply for setting the required tilting time. The tilting time will only be executed after a central command!

DIP-Switch TILT:					
S 5	**S 6**	**S 7**	**S 8**	**TILTING TIME**	*
OFF	OFF	OFF	OFF	no tilting	factory setting
OFF	OFF	OFF	ON	0.4s	
OFF	OFF	ON	OFF	0.7s	
OFF	OFF	ON	ON	1.0s	
OFF	ON	OFF	OFF	1.3s	
OFF	ON	OFF	ON	1.6s	
OFF	ON	ON	OFF	1.9s	
OFF	ON	ON	ON	2.2s	
ON	OFF	OFF	OFF	2.5s	
ON	OFF	OFF	ON	2.8s	
ON	OFF	ON	OFF	3.1s	
ON	OFF	ON	ON	3.4s	
ON	ON	OFF	OFF	3.7s	
ON	ON	OFF	ON	4.0s	
ON	ON	ON	OFF	4.5s	
ON	ON	ON	ON	5.0s	

* This is where you can note your project-specific basic settings.

WARRANTY / MAINTENANCE

Principally, the General Terms and Conditions of the manufacturer, Vestamatic International GmbH apply. The terms and conditions are part of the sales documents and handed over to the operator upon delivery. Liability claims for personal or material damages are excluded when they can be attributed to one or more of the following causes:

- Unintended use of the product.
- Improper installation, commissioning, or operation of the product
- Non-compliance with the specifications.
- Non-observance of the safety provisions and instructions of the Operating Instructions.
- Operation of the product with improperly installed connections, defective safety devices or improperly installed safeguards.
- Modifications to the product.

This product is maintenance-free.