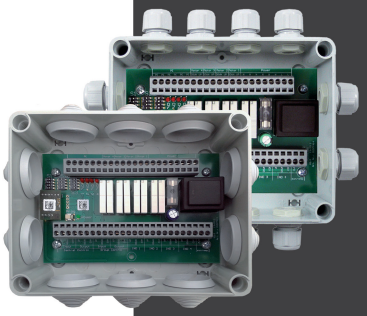
Vestamatic®

GB

3057 002 GB 2819 A03

MC P4 FA



MC P4 FA

Art.-no.: 01077416

Programmable motor control for easy connection of a fire alarm contact or emergency switch incl. connection option for window contacts.
For controlling 4 shading systems with group and individual operation.

Installation and Operating Instructions

Short description

- Microprocessor-powered motor controller for four sunshade controls
- Standard 3-wire central input
- Direct connection available for four 230VAC motors
- Connection option for a fire alarm contact or of an emergency open priority switch
- Connection option for window interrupt contacts
- Connection available for group button
- Connection available for four individual buttons
- Separate connection terminals for mains supply and central transmission
- 10 different operating modes can be set, incl. inching mode
- Motor run time/tilting time can be individually set

Safety precautions

- Contact a professional electrician to install the control system, because the control system requires a power supply of 230VAC, 50 Hz.
- Check the control system for signs of mechanical damage after unpacking. If you notice any shipping damage, do not start up the control system and notify your supplier immediately.
- The control system should only be used for the purpose specified by the manufacturer (refer to the operating instructions). Any changes or modifications thereof are not permissible and will result in loss of all warranty claims.
- If the control unit cannot be operated without presenting a hazard, it must be switched off and prevented from being switched on unintentionally.
- When performing work on the windows, controls or connected shades, protect them against unauthorised or unintentional operation.

Assembly and installation

WARNING!
Risk of injury due to improper installation and commissioning.
Improper installation and commissioning may lead to personal injury or property damage.

Therefore:

- When connecting the device, observe the currently valid VDE standards (in particular DIN VDE 0100/0700), your local power company's regulations and the current accident prevention regulations.
- Connect the control in accordance with the wiring diagram.
- Only use central control with floating contact output.

Notes for professional electricians

1. Switch off the power supply.
2. Undo the housing cover screws and lift off the housing cover.
3. Use the four mounting holes at the edges of the housing to mount it.
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. Replace the housing cover and tighten the housing cover screws.

Technical data

Power supply:	230VAC, 50 Hz
Impulse voltage withstand level:	2.5 kV
Rated power:	< 2.0 W
Fuse:	T 6.3A
Output: Maximum load: Align switching time extend: Align switching time retract:	230VAC, 50 Hz 250VAC, 4 A, cos $\varphi \cong 0.8$ ind. 5 – 240 s 240 s
Permissible motor current:	max. 6 A
Software class:	A
Operating temperature:	0 °C (32 °F) to +40 °C (104 °F)
IP class:	IP 54
Degree of contamination:	2
Dimensions (L × W × H):	170 × 134 × 85 mm (without connections)
Conformity:	CE

Functional description

Operation:

Individual or group operation is performed by wire interconnection using a locked/unlocked button.

ATTENTION!
Neither group operation nor individual operation is possible while a central command is being executed.

Operating mode 1: A central command will run the sunshade for the duration of the command (dead man's operation). A group/single command will run the sunshade for the duration of the command (dead man's operation).

Operating mode 2: A central command will run the sunshade for the duration of the command (dead man's operation). The group/single command will be stored after 2 s; individual control of up to 2 s will run the sunshade for the duration of the command (inching mode).

Operating mode 3: A central command will run the sunshade for the duration of the command (dead man's operation). The group/single command will be stored after 5 s; individual control of up to 5 s will run the sunshade for the duration of the command (inching mode).

Operating mode 4: A central command will run the sunshade for the duration of the command (dead man's operation). The group/single command will be stored immediately (immediate operation).

Operating mode 5: The central command will be stored immediately (immediate operation). The group/single command will be stored immediately (immediate operation).

Operating mode 6: The central command will be stored after 2 s; individual control of up to 2 s will run the sunshade for the duration of the command (inching mode). The group/single command will be stored after 2 s; individual operation of up to 2 s will run the sunshade for the duration of the command (inching mode).

Operating mode 7: A central command will run the sunshade for the duration of the command (dead man's operation). A single command will run the sunshade for the duration of the command (dead man's operation).

Operating mode 8: The central command will be stored after 2 s; individual control of up to 2 s will run the sunshade for the duration of the command (inching mode). The single command will be stored after 2 s; individual control of up to 2 s will run the sunshade for the duration of the command (inching mode).

Operating mode 9: The central command will be stored immediately (immediate operation). The group/single command will be stored immediately (immediate operation).

Operating mode 10: A central command will run the sunshade for the duration of the command (dead man's operation). The group/single command will be stored immediately (immediate operation).

Subject to modifications.

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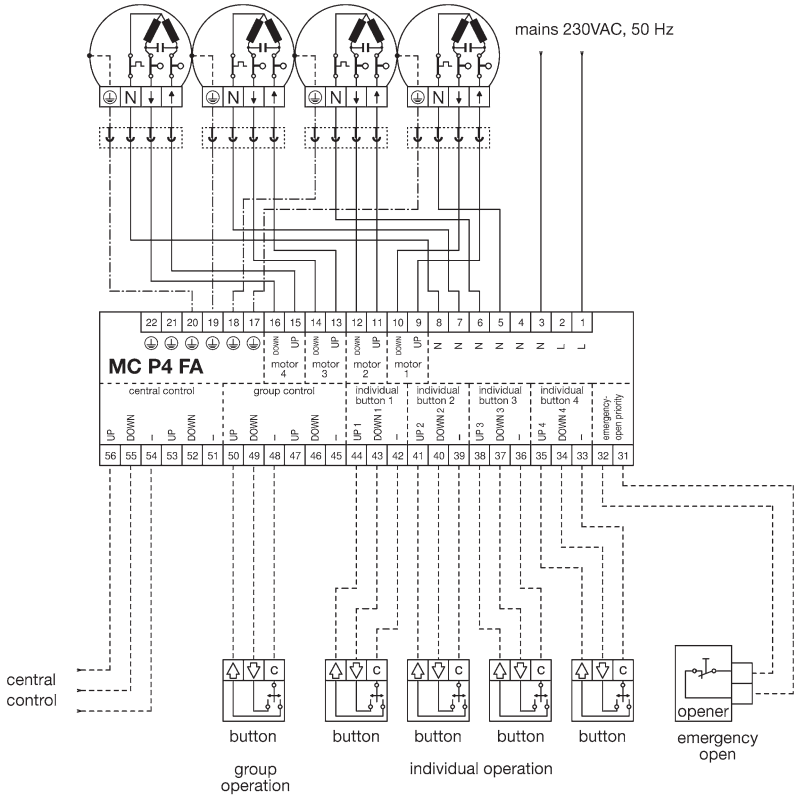
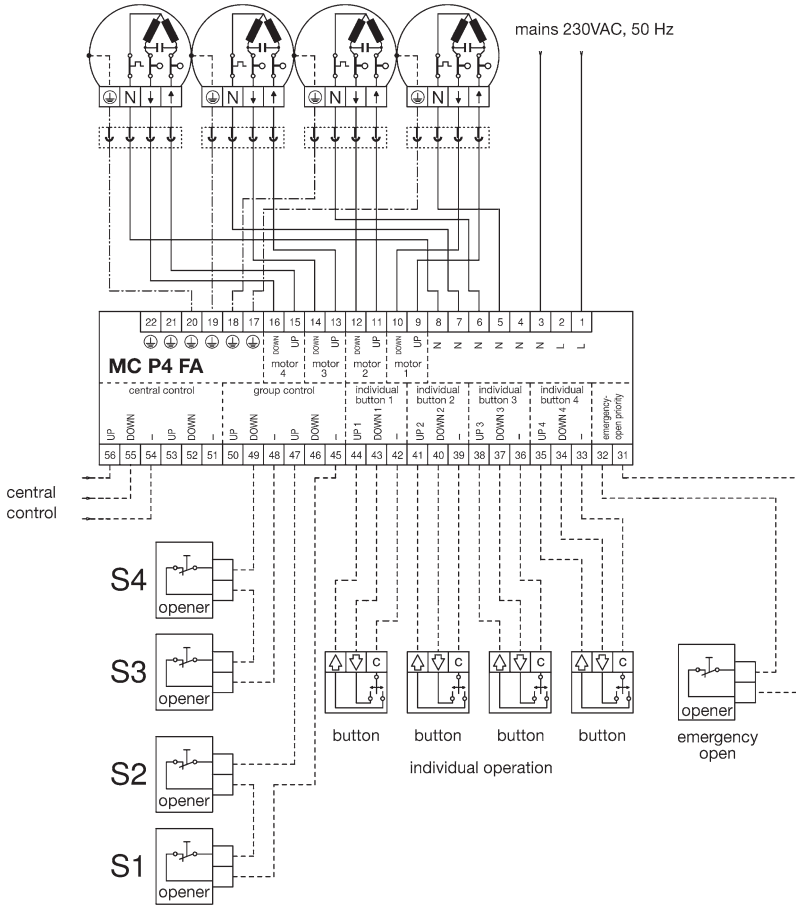
Wiring diagram for operating modes 1 to 6



Emergency-open priority!

Terminals 31 and 32 are used to connect the Emergency-Open-Priority switch, contact type normally closed. If this contact is interrupted, the connected shadings at motor outputs 1 to 4 are immediately opened until the contact is closed again. A run command whose running time has not yet been completed is not executed any further.

Wiring diagram for operating modes 7 to 10



Emergency-open priority!

Terminals 31 and 32 are used to connect the Emergency-Open-Priority switch, contact type normally closed. If this contact is interrupted, the connected shadings at motor outputs 1 to 4 are immediately opened until the contact is closed again. A run command whose running time has not yet been completed is not executed any further.

Window break contacts motor 1 and 2

Terminals 45 and 47 are used to connect the window contacts, contact type normally closed. If this contact is interrupted, the two motors STOP immediately.
No further control via central or individual button is possible. Operation commands can only be given again after closing the window contact.

Window interrupter contacts motor 3 and 4

Terminals 48 and 49 are used to connect the window contacts, contact type normally closed. If this contact is interrupted, the two motors STOP immediately.
No further control via central or individual button is possible. Operation commands can only be given again after closing the window contact.

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Operation

WARNING!
Neither group operation nor individual operation is possible while a central command is being executed.

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

Setting of operating mode

DIP switch SW1 – operating mode						
S1	S2	S3	S4	Operating mode	Short description	
OFF	OFF	OFF	OFF	1	CC: dead man	GC/SC: dead man
OFF	OFF	OFF	ON	2	CC: dead man	GC/SC: inching mode up to 2 sec.
OFF	OFF	ON	OFF	3	CC: dead man	GC/SC: inching mode up to 5 sec.
OFF	OFF	ON	ON	4	CC: dead man	GC/SC: immediate operation
OFF	ON	OFF	OFF	5	CC: immediate operation	GC/SC: immediate operation
OFF	ON	OFF	ON	6	CC: inching mode up to 2 sec.	GC/SC: inching mode up to 2 sec.
OFF	ON	ON	OFF	7	CC: dead man	SC: dead man
OFF	ON	ON	ON	8	CC: inching mode up to 2 sec.	SC: inching mode up to 2 sec.
ON	OFF	OFF	OFF	9	CC: immediate operation	SC: immediate operation
ON	OFF	OFF	ON	10	CC: dead man	SC: immediate operation

SC: Single command
GC: Group command
CC: Central command

Setting tilting function

DIP switch SW2 – tilting time				
OFF	OFF	OFF	OFF	no tilting
OFF	OFF	OFF	ON	0.1 s
OFF	OFF	ON	OFF	0.2 s
OFF	OFF	ON	ON	0.3 s
OFF	ON	OFF	OFF	0.4 s
OFF	ON	OFF	ON	0.5 s
OFF	ON	ON	OFF	0.6 s
OFF	ON	ON	ON	0.7 s
ON	OFF	OFF	OFF	0.8 s
ON	OFF	OFF	ON	0.9 s
ON	OFF	ON	OFF	1.0 s
ON	OFF	ON	ON	1.2 s
ON	ON	OFF	OFF	1.4 s
ON	ON	OFF	ON	1.6 s
ON	ON	ON	OFF	1.8 s
ON	ON	ON	ON	2.0 s

Setting motor run time

DIP switch SW3 – motor run time				
OFF	OFF	OFF	OFF	5
OFF	OFF	OFF	ON	10
OFF	OFF	ON	OFF	15
OFF	OFF	ON	ON	20
OFF	ON	OFF	OFF	25
OFF	ON	OFF	ON	30
OFF	ON	ON	OFF	40
OFF	ON	ON	ON	50
ON	OFF	OFF	OFF	60
ON	OFF	OFF	ON	70
ON	OFF	ON	OFF	80
ON	OFF	ON	ON	100
ON	ON	OFF	OFF	120
ON	ON	OFF	ON	150
ON	ON	ON	OFF	180
ON	ON	ON	ON	240

ATTENTION!
- **Setting the motor running time only for UP command.**
- **The UP command is executed with a runtime of 240 seconds.**

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Warranty

Principally, the General Terms and Conditions of the manufacturer, Vestamatic 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.
- Opening of the product by the customer.
- Improper installation, commissioning, or operation of the product.
- Non-compliance with the technical 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.

Disposal of waste

The disposal of electrical equipment and batteries in household waste is strictly forbidden.

The symbol (dustbin crossed out, in line with WEEE Appendix IX) indicates separate collection of electrical and electronic products in EU countries. Do not dispose of the device or battery in your household waste. Ask your town or local council about the return and collection systems available in your area to dispose of this product.

Conformity

This product complies with the essential requirements. The Declaration of Conformity concerning this product is available on request.

Support/Contact

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