



INSTALLATION AND OPERATING INSTRUCTIONS MC P4 FA

MC P4 FA



This manual is suitable for the following products:

- MC P4 FA (01077416)

Documentnumber: 85203123 A1

Programmable motor control for controlling 4 shading systems with group and individual operation. Easy connection of a fire alarm contact or emergency

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.



CONTENT

■ Safety instructions	2
■ Technical data	3
■ Installation / Wiring Diagram / Operation	4
■ Functional description	8
■ Maintenance / Warranty	12

SAFETY INSTRUCTIONS

GENERAL INFORMATION

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

- The device may only be used for its intended purpose as described in this documentation.
- Installation, electrical connection and commissioning may only be carried out by a qualified electrician, as the device operates with mains voltage.
- The control unit must be checked for mechanical damage before installation. Damaged devices must not be put into operation.
- Any modification or alteration of the device is prohibited and will void all warranty and liability claims.
- If safe operation can no longer be ensured, the device must be taken out of service immediately and secured against unintended operation.
- The system must be checked regularly for wear, damage or malfunctions.

SAFETY WARNINGS



ELECTRICAL HAZARDS

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



SAFETY FOR FIRE ALARM, EMERGENCY OPEN AND WINDOW CONTACTS | CAUTION – Priority safety functions



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



SUPPORT/CONTACT

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

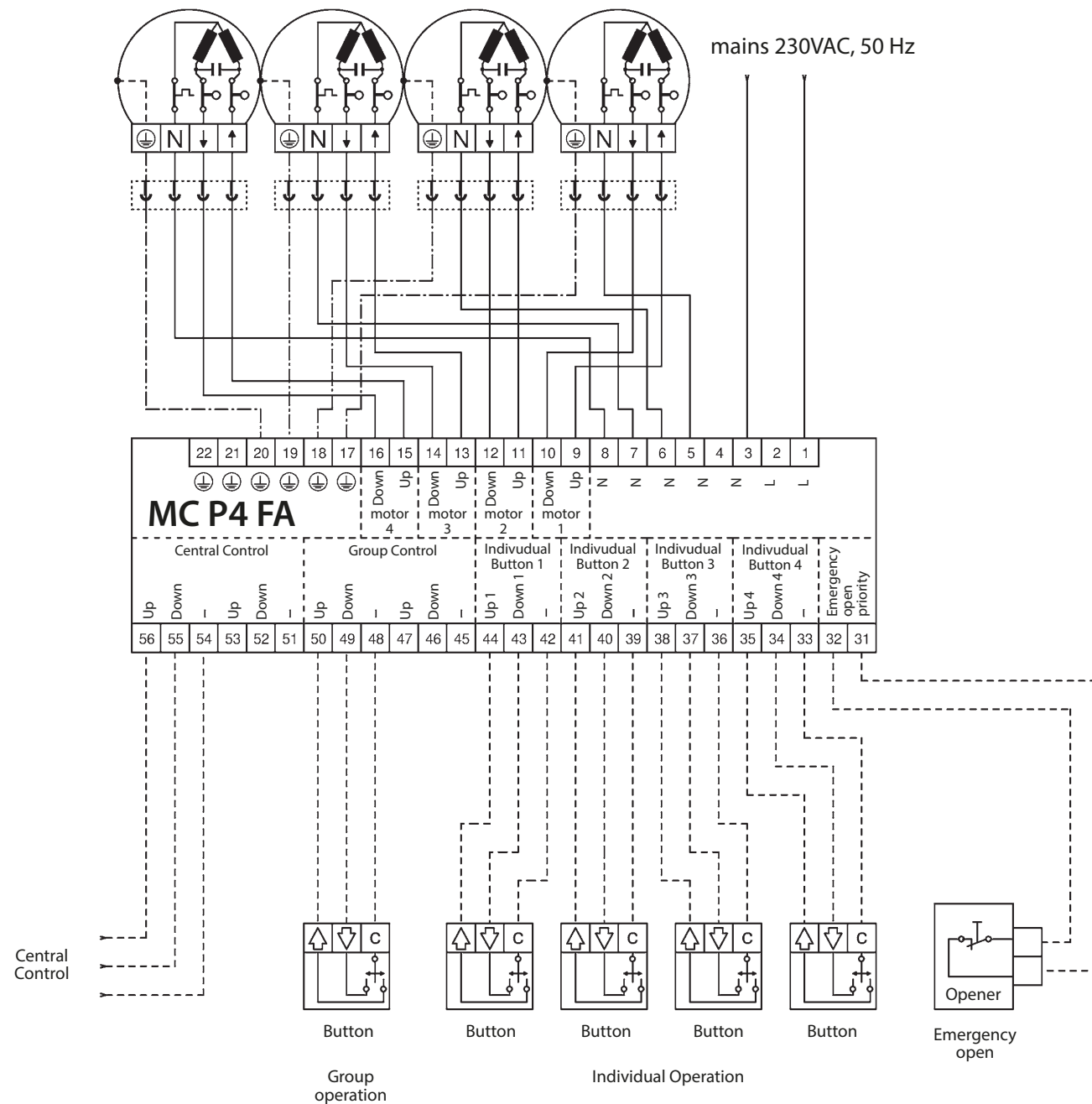
TECHNICAL DATA

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

PARAMETER	VALUE
Power supply	230VAC, 50 Hz
Impulse voltage withstand level	2,5 kV
Rated power	< 2.0 W
Fuse	T 6.3A
Output:	230VAC, 50 Hz
Maximum load	250VAC, 4A, $\cos \varphi \geq 0.8$ incl.
Align switching time extend	5 – 240 S.
Align switching time retract	240 S.
Permissible motor current	max. 6A
Software class	A
Operating temperature	0 °C (32 °F) to +40 °C (104 °F)
IP class	IP54
Degree of contamination	2
Dimensions (L × W × H)	170 × 134 × 85 mm (without connections)
Conformity	

WIRING DIAGRAM FOR OPERATING MODES 1 TO 6



HINWEISE FÜR ELEKTROFACHKRÄFTE

- 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.



NOTE

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.

OPERATION

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



WARNING

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

FUNCTIONAL DESCRIPTION

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).

FUNCTIONAL DESCRIPTION

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).

FUNCTIONAL DESCRIPTION

SETTING OF OPERATING MODE

DIP switch SW1 – operating mode:					
S1	S2	S3	S4	OPER. MODE	SHORT DESCRIPTION
OFF	OFF	OFF	OFF	1	CC: dead man GC/SC: Totmannbetrieb
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 GC/SC: dead man
OFF	ON	ON	ON	8	CC: inching mode up to 2 sec. GC/SC: inching mode up to 2 sec.
ON	OFF	OFF	OFF	9	CC: immediate operation GC/SC: immediate operation
ON	OFF	OFF	ON	10	CC: dead man GC/SC: immediate operation

SC = Single command
GC = Group command
CC = Central command

FUNCTIONAL DESCRIPTION

SETTING TILTING FUNCTION

DIP switch SW2 – tilting time				
OFF	OFF	OFF	OFF	no tilting
OFF	OFF	OFF	ON	0,1 sec.
OFF	OFF	ON	OFF	0,2 sec.
OFF	OFF	ON	ON	0,3 sec.
OFF	ON	OFF	OFF	0,4 sec.
OFF	ON	OFF	ON	0,5 sec.
OFF	ON	ON	OFF	0,6 sec.
OFF	ON	ON	ON	0,7 sec.
ON	OFF	OFF	OFF	0,8 sec.
ON	OFF	OFF	ON	0,9 sec.
ON	OFF	ON	OFF	1,0 sec.
ON	OFF	ON	ON	1,0 sec.
ON	ON	OFF	OFF	1,4 sec.
ON	ON	OFF	ON	1,6 sec.
ON	ON	ON	OFF	1,8 sec.
ON	ON	ON	ON	2,0 sec.

SETTING MOTOR RUN TIME

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



ATTENTION!

- 1.) Setting the motor running time only for UP command.
- 2.) The UP command is executed with a runtime of 240 seconds.

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.