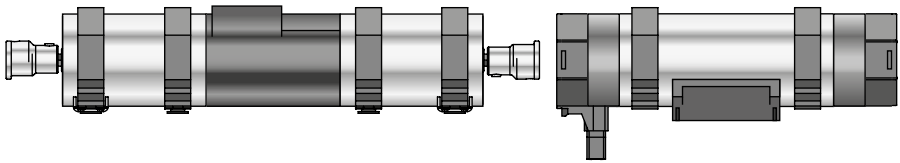


GEIGER

ANTRIEBSTECHNIK

Venetian blind motor:

GEIGER RESCUEline (GJ5606 AE100)
with electronic control and battery operation
For Venetian blinds and exterior blinds



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**Original assembly and
operating instructions**

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1. General information

Dear customer,

By purchasing a GEIGER motor you have decided on a quality product from GEIGER.

Thank you very much for your decision and the confidence placed in us.

Before you put this drive into operation please observe the following safety instructions.

It serves for the prevention of danger and for the avoidance of personal injury and damage to property.

The installation and operating instructions contain important information for the installer, the specialist electrician and the user. Please pass on these instructions if you transfer the product. These instructions should be kept by the user.

2. Guarantee

In the case of incorrect installation contrary to the installation and operating instructions and/or constructional modification, the legal and contractual guarantee for property damage and product liability lapses.

3. Intended use

The motors of the model range GJ5606 AE100 with electronic control and battery power are designed exclusively for the operation of Venetian blinds.

The motors may not be used for the operation of roller grilles, garage doors, furniture and lifting tools.



Please first make sure that the use of the GJ5606AE100 is approved by your local fire and rescue authorities.

GJ 56 06 AE100
|
| Design options
| Torque in Nm
| For head rails at least 56 mm
|
| GEIGER Venetian blinds motor

4. Safety instructions



ATTENTION: Important safety instructions. For personal safety, it is important to follow these instructions. Please keep these instructions for future reference.

- ▶ Do not allow children to play with stationary controls. Keep remote controls away from children.
- ▶ The installation is to be checked regularly for defective balance, signs of wear or damaged cables and springs, if relevant.
- ▶ Do observe the moving sun protection system and keep persons away until it has closed completely.
- ▶ When operating the manual release with the sun protection system open, please be cautious as it can fall down quickly if springs or tapes wear off or are broken.
- ▶ Do not operate the device if operations such as, for example, window cleaning are to be carried out in the vicinity.
- ▶ Disconnect the automatic controlled device from the mains power supply if operations such as, for example, window cleaning are being carried out in the vicinity.
- ▶ During operation observe the danger zone.
- ▶ Do not use the installation if people or objects are in the danger zone.
- ▶ Urgently shut down damaged installations until repair.
- ▶ Unconditionally shut down the unit during maintenance and cleaning operations.
- ▶ Pinching and shearing points are to be avoided and must be secured.
- ▶ This appliance can be used by children aged 8 and above and persons whose physical, sensorial or mental capacities are impaired, or who have no experience or know-how if they have been supervised or been given instructions on the use of the appliance and if they understand the possible resulting dangers. Children are not permitted to play with the device. Cleaning and maintenance should not be carried out by children.
- ▶ The rated sound pressure level is less than 70 dB(A).
- ▶ Disconnect the device from the mains power supply for maintenance and replacement of parts.
If the motor is disconnected via a plug connection the operator must be able to control - from any place to which it has access – that the plug is removed.
If this is not possible - due to design or installation - the disconnection from the power supply must be ensured via locking in the disconnected position (e.g. isolator).
- ▶ The motor tube can get very hot during prolonged use.
When working on the unit, do not touch the tube before it has cooled down.
- ▶ All necessary settings must be made for safe operation of the system. If required, GEIGER also provides training courses.
- ▶ If the control does not function correctly, the system must be disconnected from the power supply.

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5. Safety Instructions for batteries



Warning: Important safety instructions. Failure to comply with the safety instructions may cause damage to property, fire, explosion and cause serious injuries.

Battery handling

- ▶ The battery may only be charged in the electronic control unit. If an unsuitable charger is used, the battery may be damaged and there is a risk of fire.
- ▶ Only use the original GEMER battery. The battery may only be replaced by an original replacement battery (see section spare parts). If other batteries are used, the function of the device can no longer be guaranteed. The use of other batteries may result in personal injury, property damage and fire hazard.
- ▶ Do not use non-rechargeable batteries. The use of non-rechargeable batteries may result in personal injury, property damage and fire hazard.
- ▶ Before replacing the battery, the device must be disconnected from the mains.
- ▶ Only use the battery in connection with your GEMER Venetian blind drive. This is the only way to protect the battery against overload.
- ▶ Keep non-installed batteries away from paper clips, keys, nails, screws or other small metal objects that can make a connection from one terminal to another. A short circuit between the battery contacts can cause burns and fire.
- ▶ Protect the battery from heat – no prolonged exposure to sunlight and fire – ($T_{max.} = 60^{\circ}\text{C}$) as well as from water and humidity. There is a risk of explosion.
- ▶ Do not open the battery. There is a risk of a short circuit.
- ▶ If used incorrectly, liquid may leak out of the battery. Avoid the contact with it. In case of accidental contact, rinse with water. If the fluid gets into your eyes, call for additional medical attention. Leaking battery fluid can cause skin irritation and burns.
- ▶ If the battery is damaged or used improperly, vapours may be emitted. Allow for fresh air and consult a doctor in case of any discomfort. The vapours can irritate the respiratory tract.

6. Safety instructions for assembly



ATTENTION: Important safety instructions. Follow all installation instructions, as incorrect installation can lead to serious injuries.

- ▶ When mounting the motor without any mechanical protection of the driven parts and of the tube which may become hot, the motor must be installed at a height of at least 2.5 m above the ground or of another level which provides access to the drive.
- ▶ Before the motor is installed, all cables which are not needed are to be removed and all equipment which is not needed for power-operated actuation is to be put out of operation.
- ▶ The actuating element of a manual release must be mounted at a height of less than 1.8 m.
- ▶ If the motor is controlled by a switch or pushbutton, the switch or pushbutton must be mounted within eyeshot of the motor. The switch or pushbutton must not be located in the vicinity of moving parts. The height of installation must be at least 1.5 m above the floor.
- ▶ Permanently installed control devices must be attached visibly.
- ▶ In case of devices extending horizontally, a horizontal distance of at least 0.4 m must be respected between the fully extended part and any other fixed element.
- ▶ The rated speed and the rated torque of the motor must be compatible with the device.
- ▶ The mounting accessories that are used must be designed in accordance with the selected rated torque.
- ▶ Good technical knowledge and good mechanical skills are necessary for the motor installation. Incorrect installation can lead to serious injury. Electrical work must be carried out by a qualified electrician in accordance with the regulations in force locally.

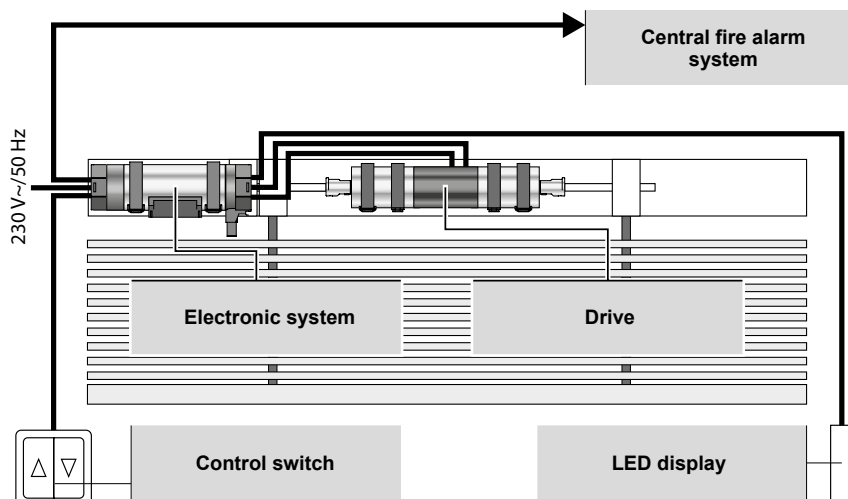
- ▶ Only use connecting cables that are suitable with the environmental conditions and which meet the construction requirements. (see accessories catalogue)
- ▶ If the device is not equipped with a connecting cable and a plug, or other means for disconnecting from the mains with a contact opening on each pole according to the conditions of the overvoltage category III for full disconnection, a disconnecting device of this type must be incorporated into the permanently installed electrical installation according to the wiring rules.
- ▶ Do not mount the connecting cables near hot surfaces.
- ▶ A plug for the disconnection of the motor from the power supply must be accessible after installation.
- ▶ Damaged connecting cables must be replaced by GEIGER connecting cables of the same type.
- ▶ The device must be mounted as described in the installation instructions.
- ▶ Parts that are inserted must be correctly positioned or locked in place.
- ▶ Screw fastenings must be sufficiently tight. Make sure that the screw length is correct so that the parts behind it are not damaged.
- ▶ For the required stability, all specified parts must be installed.
- ▶ Fixations shall not be made with adhesives since they are regarded as unreliable.

7. Assembly note

Since the RESCUEline is exclusively powered by the battery, the electronic control unit must be supplied with mains voltage during installation. If the control unit is not connected to the mains after installation, the battery may be deeply discharged. (See operating mode: deep discharge state, point 11).

The GEIGER RESCUEline has been designed as a battery-powered emergency system especially for the 2nd escape route. The 2nd escape route leads through an emergency exit which serves as access for emergency services into the building.

However, as there is no standardized regulation in Europe, the respective country regulations must be observed. The use of the GJ5606AE100 must be approved by your local fire and rescue authorities.



The system consists of a Venetian blind motor, an electronic control unit with limit stop switch and a LED display that shows the system status at any time over colour LEDs.

The system can be connected to a central fire alarm system.

In case of fire or in the event of an error case the electronic control ensures the immediate opening of the blind in order to clear the emergency exits. The system is independent of the supply voltage in the event of fire, failure or tests.

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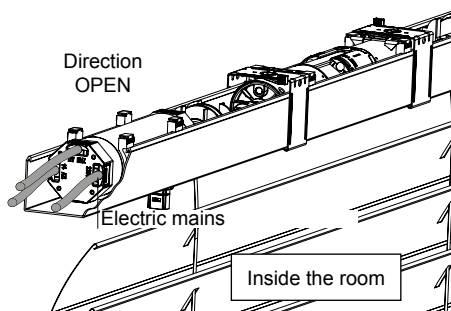
When viewed from inside the room, the electronic system of the GJ5606AE100 is located on the left side together with the limit stop switch.

The electronic control is also available for right-hand installation, so that it is on the right side viewed from the inside of the room.

The blind stripes are wound up from the outside on the winding rolls.

The GJ5606 AE100 must be in alignment with the turner bars.

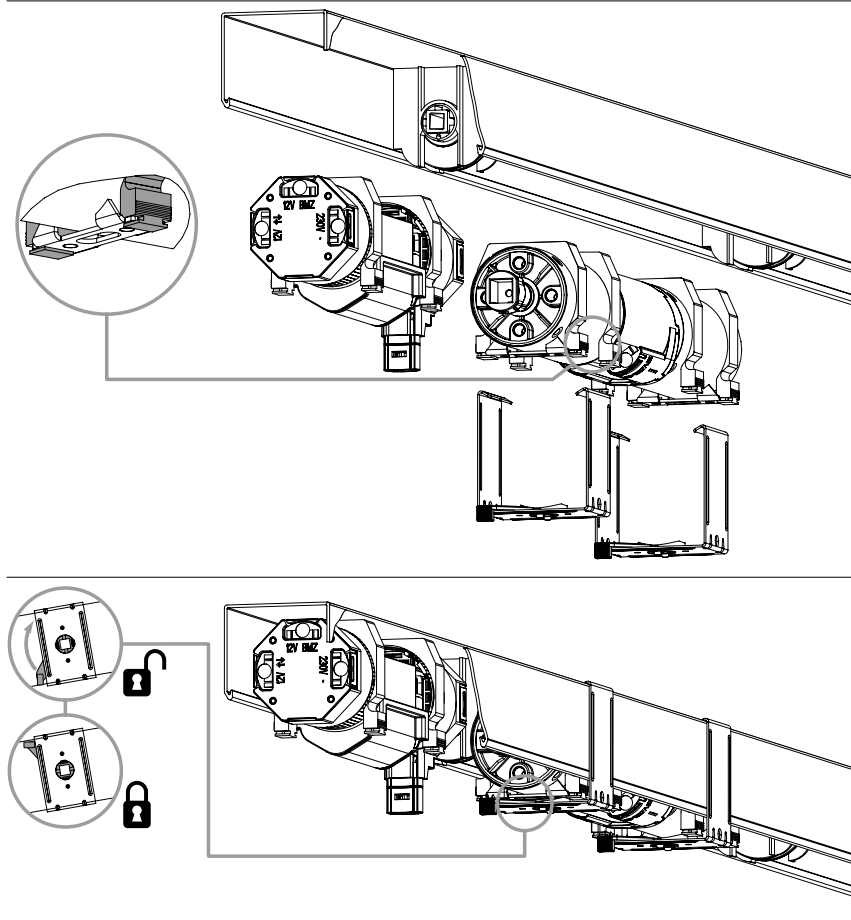
The GJ5606 AE100 must be installed centrally. Make sure that you have a uniform load distribution.



8. Installation instructions

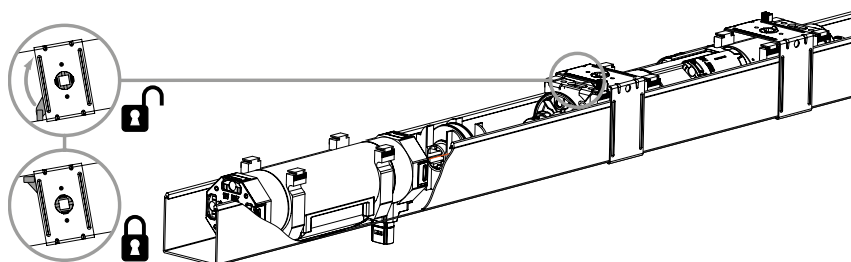
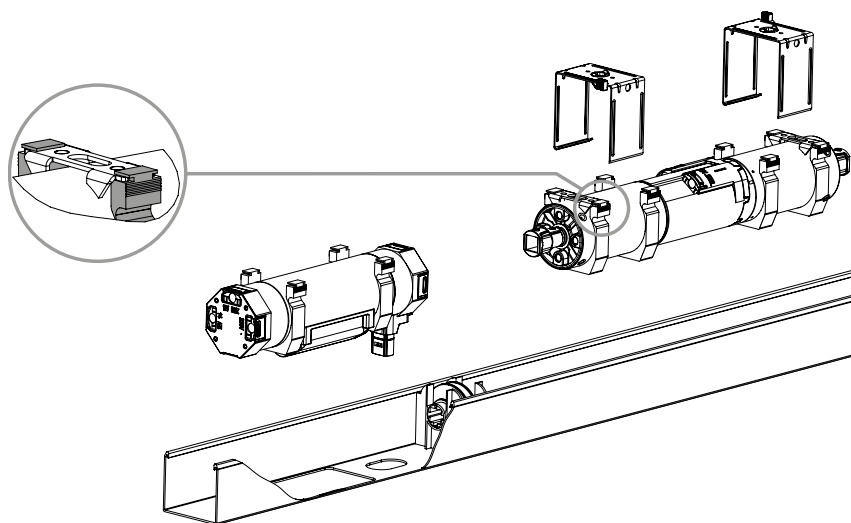
- ⚠ Prior to installation please check to ensure there is no visible damage to the motor like cracks or open cables.
- ⚠ Before installation, it is essential to check the drive and the electronic control for visible damage such as breakage or open cables.
- ⚠ The RESCUEline may only be put into operation if mains voltage is available at the installation site.

Head rail opening at bottom:



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Head rail opening at top:



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9. Electrical connections and safety instructions



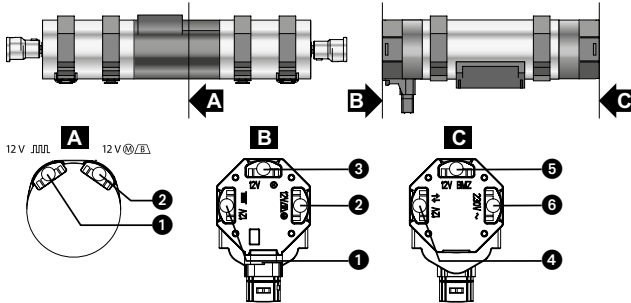
Caution: Important installation instructions.

Please follow all instructions since incorrect installation can lead to the destruction of the motor and the switching unit.



Before commissioning, all connections must be made correctly.

Drive and electronic control connections



- 1 Encoder with hall sensor
- 2 Motor/brake
- 3 LED display
- 4 Operating switch
- 5 Central fire alarm system
- 6 Mains connection

The 230 V connection is coded in such a way that it is impossible to insert it incorrectly into the 12 V connections. The maximum distance between drive and electronics must not exceed 2,5 m.

Electric mains

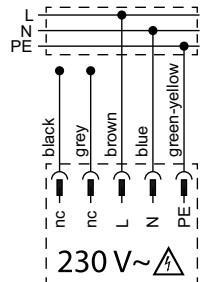


Work on the electrical installation may only be carried out by a qualified electrician.

Connecting cables with plug connectors of the Hirschmann Company are tested and approved with couplings of the Hirschmann Company.



The battery is not plugged in on delivery. Before commissioning, connect the connectors in the battery compartment. Please note the warning in chapter 10 „Battery replacement“.



12V connections



Wires and contacts which are marked with nc (not connected) have no function. Wires without a function are cut at the end of the sheath (green-yellow or orange and grey).

Connection of operating and setting switch



Danger of electric shock!

Potential-free contacts must be used for operation and setting.

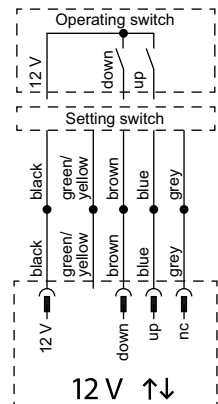
Only the setting switch M56F155 may be used for the setting (see spare parts).

Do not connect plug connectors that are used for 230V to 12V connections.

If 230V is connected incorrectly to 12V connections, the device will be destroyed and all 12V circuits will be put under mains voltage.



Incorrect connection can lead to death and serious injuries due to electric shock.



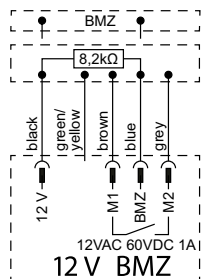
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Connection to the central fire alarm system

The system is delivered with a cable to the central fire alarm system.

If the device is not connected to the central fire alarm system, the input must be terminated with an 8.2 kOhm resistor (see connection diagram). A suitable resistance is enclosed. The open end with the resistance must be insulated, e.g. mounted in a cable socket.

The length of the cable should not exceed 100 meters.



10. Battery replacement

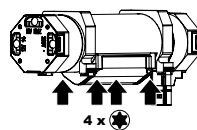
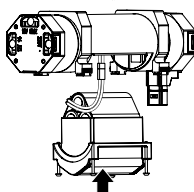
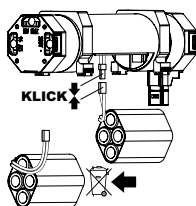
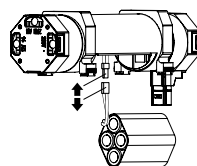
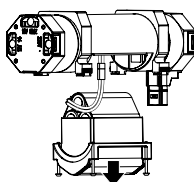
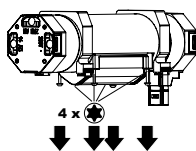
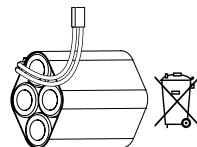
The battery must be replaced in case of power loss or defect.

The LED display indicates when the battery needs to be replaced.

In order to replace the battery please proceed as follows:

1. If necessary, move the sun protection down for better accessibility
2. Disconnect the electronic control unit from the mains
3. Open 4 screws (Torx T10). See picture
4. Pull the battery compartment down
5. Disconnect the battery connector

The installation is carried out in reverse order.



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Please note:

- ▶ If „battery defective/replace battery“ is displayed, the normal driving mode is blocked. See section emergency manual operation.
- ▶ The battery is supplied partially charged. After installation, the battery is charged in the electronic control unit. The charging process takes approx. 5 hours. The device is then ready for use.
- ▶ Under a protective sticker in the battery compartment there is a plug connection for applications of the manufacturer. Removing the protective sticker will void the warranty.



IMPORTANT: Crushes and damage to the insulation of the battery connection cable must be avoided. Damage to the battery connection cable, the plug connection and the battery cell or battery compartment will void the statutory or contractual warranty for material defects and product liability.

Transport of batteries

The lithium iron phosphate batteries are subject to the requirements of dangerous goods law.

The rechargeable batteries can be transported on the road without any further requirements,

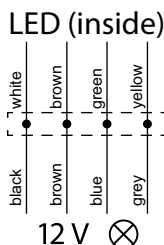
observing the dangerous goods regulations for Li-Ion batteries of less than 100Wh. In case of shipment by third parties (e.g.: air transport or forwarding), special requirements for packaging and labelling must be observed. A dangerous goods expert must be consulted when preparing the package. Only send batteries if the housing is undamaged. Tape open contacts and pack the battery so that it does not move in the packaging. Please also observe any further national regulations.

11. LED indication

Depending on the delivery, the LED display for outdoor use (M56F157) or the LED display for indoor use (M56F158) is supplied.

The LED display for indoor use must be connected with the cable to a junction box (not included in scope of delivery) by a qualified electrician. The length of the cable should not exceed 100 meters.

For both types, three different coloured LED's (green/yellow/red) indicate the different states of the system:



Functionality / LED display:

Permanent light signals (permanently lit LEDs)

Green	Yellow	Red	Significance
●			All system functions OK / manual operation
	●		Reference run
●	●		Learning run upper end position
●		●	Learning run lower end position
	●	●	Shutdown by overload protection

Flashing signals (simultaneous flashing of various colour LEDs)

○			Freezing protection activated ($\leq 3^{\circ}\text{C}$)
	○		Defective battery / replace battery
		○	No mains voltage
○	○		Ambient temperature too high (battery) ($\geq 45^{\circ}\text{C}$)
○		○	Ambient temperature too low (battery) ($\leq 0^{\circ}\text{C}$)
	○	○	Battery has reached critical level
○	○	○	Fire alarm / wire break

Flashing signals (alternate flashing of various colour LEDs)

	○	○	Deep discharge
○		○	Device temperature too high (only fire alarm is triggered) ($\geq 60^{\circ}\text{C}$)

Flashing signals (moving lights of various colour LEDs)

○	○	○	Emergency manual operation (only to lower end stop)
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Permanent light signals and flashing signals (combination of lit and flashing LEDs)

●	○		Minimum operating temperature not met ($\leq -10^{\circ}\text{C}$)
---	---	--	--

Operating mode: Programming mode (commissioning):

The unit will be learned through an unlocked switch.

► See point „Commissioning“

The green/yellow or green/red LEDs light depending on the direction of travel.

Operating mode: Manual operation

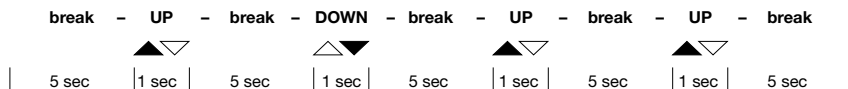
After teaching, a blocked switch is used (standard operation). The blind is opened/closed via the locked switch (manual operation or emergency manual operating).

The green LED lights up.

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Operating mode: Emergency manual operation

To replace the battery, it may be necessary to move the curtain away from the upper end position. If the electronics are in another mode such as „All system functions OK“, the drive can be switched to the emergency manual operation.



Please note: A pause of at least 5 seconds must be observed between the driving movements.

After that the drive can only be moved downwards and the battery can be replaced. To end the emergency manual operation, the limit switch must be pressed briefly twice.

Operating mode: Mains voltage failure

In the event of a power failure, the status indicator flashes red, but the system remains ready for operation. Only when the critical battery capacity is reached the drive automatically moves the blind to the upper end position and remains there. After the mains power failure has been rectified, the battery can be recharged. The system cannot be put back into operation until the charge level exceeds the critical battery capacity (>50% capacity).

The red LED flashes.

Operating mode: Critical battery status

If the charge level is <50% the system runs automatically in the upper end position and remains there. The system only operates again when the charge level is > 50% or after replacement of the battery.

Yellow and red LEDs flash.

Operating mode: Deep discharge state

If the battery charge drops below the critical battery capacity, the drive retracts the curtain in the upper end position and then a bit downwards so that the battery can be replaced.

Yellow and red LEDs flash alternately.

Operating mode: Minimum operating temperature not reached

If the operating temperature falls below the minimum permissible operating temperature, the system runs automatically to the upper end position and the blind remains there. The system can only operate again when the ambient temperature is above the minimum operating temperature again.

The yellow LED lights up permanently and the red LED flashes.

External triggering by fire alarm (potential-free contact)

Via the potential-free contact (input - fire alarm) the fire control centre gives the triggering command (fire alarm signal). The drive then moves independently to the upper end position and remains there until the release command (fire alarm signal) is switched off. During this time, the blind cannot be moved.

To move the blind back to the lower end position, the mains voltage must be applied.

Green/yellow and red LEDs flash.

Operation in general:

Operation via a locked control switch. Move via the corresponding key as long as this is actuated and no end position has been reached or overload occurs in this direction.

Special feature on UP travel, the stop switch stops the travel immediately as long as it is activated.

Operation:

UP = UP key

DOWN = DOWN key

AS = stop switch

SET = Prog or AS + DOWN

12. Setting of the end stops

General information

The end positions are set via the 12V SELV circuit of the device.

For setting the end positions of the RESCUEline drives, only a special potential-free setting switch can be used.

Learning can only be started via the programming button or the limit switch and the DOWN key.



Attention danger to life: When connecting a usual setting switch with mains connection, the 12V SELV circuit is connected under mains voltage.

Article number / GEIGER setting switch	
M56F155	with service terminal (D), 5 wires



Important: please observe the connecting diagram on the back of the setting switch.

Factory setting

- The motor is set on the lower end position at the factory. The upper end stop is at the very other end (at least lower end stop + 200 motor rotations).
- The motor command is in normal operation.
- The referencing is enabled on delivery.



Note: If the motor is installed in a closed Venetian blind and if the limit stop switch is used the motor can be operated without further settings.



If the factory setting has been carried out and if the programming mode is activated, max. 100 revolutions can be done downwards. Reset to factory settings for a further run downwards.

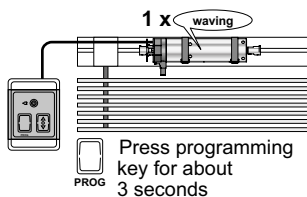
13. Activate the programming mode



Prerequisite: The motor is positioned between the upper and the lower end position. The limit stop switch should not be pressed.

Activate the programming mode via limit stop switch

Press the programming key of the setting switch until, after about 3 seconds, the motor confirms "end position programming activated" with 1 x click-clack. Then release the key.

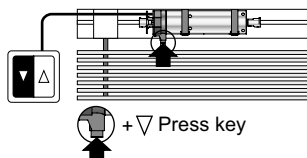


Activate learning mode on the electronic control unit

Press the limit stop switch and also press the DOWN key on the locked Venetian blind switch.

The motor moves for 1 second.

Keep both keys pressed for another 3 seconds. The motor confirms with a short movement downwards.



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14. Programming/changing the end stops

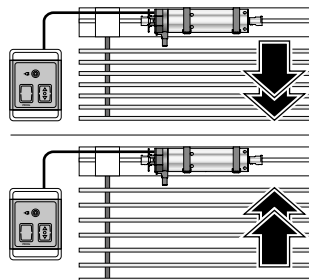
The upper and lower end stops can be programmed and changed independently of each other.

- Activate the programming mode.
- Run the motor in the direction of the desired end position. The motor interrupts its run just to show that it is in the programming mode:
- The direction in which the motor moves after the break* determines the end stop to be programmed. (UP = upper end stop, DOWN = lower end stop)
- When the desired end position is reached, move the motor in the opposite direction until 2 short breaks* show the last saved position.
- The programming is completed.

**As long as the interruption of movement has not yet occurred, corrections can be done.*

Start the setting process again to adjust another end position.

The referencing is automatically activated if the upper end position is programmed.



Limit stop switch instead of upper end position

- If the direction of rotation UP is to be switched off via the limit stop switch, no upper end position may be learned. The blind moves against the limit stop switch every time.
- If an upper end position has already been learned and is now to be switched off via the limit switch, the learning mode must be activated and the blind moved against the limit stop switch. The lower end position is unchanged and the programming is completed.
- From now on, the drive always moves against the limit stop switch.

Cancel the programming mode:

In order to cancel the programming mode, press the programming keys (programming key/UP/DOWN keys/limit stop switch and DOWN key) until the motor confirms the cancellation of the programming mode after about 3 seconds with 2 x click-click.

15. Referencing on the limit stop switch

The referencing on the limit stop switch can compensate a possible drifting of the upper end position due to the modified winding behaviour of the lifting tapes.

If the referencing has been activated (see below), the next UP run is done till the limit stop switch.

The variation in distance between the upper limit position and the limit stop switch is stored.

After 1, 5, 20 and then every 50 cycles on the upper end stop, the motor runs against the limit stop switch in order to test if the variations in distance have changed. If this is the case, the upper end position is readjusted.

The motor stops on the limit stop switch by the reference runs.

16. Enable/disable reference cycles

The referencing is enabled on delivery. The referencing can be enabled only if the upper end position is set on position.

Switching on/off referencing:

Press the programming keys (programming key/UP/DOWN keys/limit stop switch and DOWN key) between 6 and 9 seconds until the motor jerks 1 x after about 3 seconds and another time after 6 seconds for feedback "Switching on/off referencing".

A subsequent UP command with 1 x jerking enables the referencing, a DOWN command with 2 x jerking disables it.

17. Resetting to factory settings

Press the programming keys (programming key/UP/DOWN keys/limit stop switch and DOWN key) about 10 seconds until the motor jerks 1 x after 3 seconds, 1 x after 6 seconds and 4 x after 10 seconds. Then the motor is reset to factory settings and the referencing is activated.

18. Antifreeze protection

The electronic control can monitor the ambient temperature and respond to it. This function is enabled in the standard delivery state.

If a fixed outdoor temperature is reached, the blind moves up a little bit to prevent the end rail from freezing.

If the temperature exceeds or falls below the threshold for safe charging of the battery, this will be indicated on the LED display.

Temperature too high: green and yellow LEDs flash.

Temperature too low: green and red LEDs flash.

The blind can still be operated until the critical battery status is reached. As soon as this happens, the blind is moved to the upper position and remains there until the battery is fully charged.

Yellow and red LEDs flash.

19. Recommissioning after use

The system can only be put back into operation if the mains voltage is restored and the signalling contact (central fire alarm system connection) is closed again or when the critical battery capacity is again above the set level (>50% capacity).

If these requirements are met, the system returns to manual operation.

After operation, the entire system (Venetian blinds, operating switch, drive and electronics) needs to be checked again.

Green LED lights up.

20. What to do if...

Problem	Solution
Motor does not run.	<ul style="list-style-type: none"> • Motor not plugged in. Please check the plug connection. • Check connecting cable for possible damage. • Check the connections of all cables for correct positioning. • Check the mains voltage and allow the cause of the voltage breakdown to be tested by a specialist electrician.
LED display without display.	<ul style="list-style-type: none"> • The two cables to the drive are reversed. Replace cables and check plug connections for correct positioning. • Battery not inserted. Check the plug connection of the battery. • Battery damaged or defective for some time. Replace the battery with a new battery of the same type (M56F156).
Motor only runs in one direction.	<ul style="list-style-type: none"> • Motor in the end position. Run motor in the opposite direction. Readjust the end positions, if necessary.
After running several times, the motor breaks down and no longer responds.	<ul style="list-style-type: none"> • The motor became too hot and has switched off. Try it again after a cooling time of about 15 min. • Critical battery capacity. Observe LED status display.
The blind is in the upper position, actuates the limit stop switch and can no longer be moved downwards.	<ul style="list-style-type: none"> • The motor was installed upside down or the lower end position has been overrun and the lift tapes were wound up incorrectly. Allow free mobility of the limit stop switch. Reset the end stops.
LED display flashes.	<ul style="list-style-type: none"> • See point « LED display ».

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21. Maintenance

The drive is maintenance-free.

The battery is a wearing part and therefore excluded from the warranty. Please check the status regularly via the LED displays. We recommend replacing the battery every two years.

22. Declaration of conformity

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EU Declaration of Conformity

Gerhard Geiger GmbH & Co. KG
Antriebstechnik
Schleifmühle 6
D-74321 Bietigheim-Bissingen

Product designation:

Venetian blinds motor, motor for rolling shutters, motor for awnings

Type designation:

GJ56.., GR45.., GU45.., GSI56.., GB45.., GB35..

Applied directives:

2006/42/EG
2014/53/EU
2011/65/EU + (EU)2015/863 + (EU)2017/2102

Applied standards:

EN 60335-1:2012
EN 60335-1:2012/AC:2014
EN 60335-1:2012/A11:2014
EN 60335-1:2012/A13:2017
EN 60335-1:2012/A1:2019
EN 60335-1:2012/A14:2019
EN 60335-1:2012/A2:2019
EN 60335-2-97:2006+A11:2008+A2:2010+A12:2015
EN 62233:2008
EN 62233 Ber.1:2008
EN IEC 5514-1:2021
EN IEC 5514-2:2021
EN IEC 61000-3-2:2019+ EN IEC 61000-3-2:2019/A1:2021
EN 61000-3-3:2013+EN 61000-3-3:2013/A1:2019+EN 61000-3-3:2013/A2:2022

ETSI EN 301 489-1 V2.2.3 (2019-11)
ETSI EN 301 489-3 V2.1.1(2019-03)
ETSI EN 300 220-2 V3.2.1 (2018-06)

DIN EN IEC 63000:2019-05

Authorized representative for technical data:

Gerhard Geiger GmbH & Co. KG

Address:

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Bietigheim-Bissingen, 18.07.2023


Roland Kraus (General Manager)

Gerhard Geiger GmbH & Co. KG

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Komplementär: Geiger Verwaltungs-GmbH | Sitz Bietigheim-Bissingen | Amtsgericht Stuttgart HRB 300481
Geschäftsführer: Roland Kraus | WEEE-Reg.-Nr. DE47902323

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Current declarations of conformity are available under www.geiger.de

23. Technical data

Technical data GJ5606 AE...	
Motor	
Voltage	100 ..230 V 50/60 Hz
Current	35 mA (max. load current)
Power	8 W
Couple	2 x 3 Nm
Normal operating torque	22 rpm
Emergency operation torque	27 rpm
Protection class	IP 44
Limit switch range	> 200 rotations
Operating mode	S2 4 min
Dimensions (without coupling)	346 mm
Diameter	55 mm
Gewicht	1,60 kg
Ambient temperature / Air humidity	Operation: T = -10°C .. +60°C / H max. 90% Storage : T = -15°C .. +45°C / H max. 50%
Electronic control	
Dimensions	220 mm
Diameter	55 mm
Weight (without battery)	0,30 kg
Battery	
Type	LiFePo4
Capacity	14,08 Wh / 1,1 Ah
Charging temperature range	0°C to 45°C
Operating time in case of mains voltage failure (UPS operation)	> 4 min. (battery mode)
Battery buffer	> 6 Wh (incl. reserve) at 12 VDC > 0,5 Ah (500mAh)
Weight	0,20 kg
Indoor LED display	
Dimensions	53 x 13 x 8 mm (L x H x B)
Outdoor LED display	
Dimensions	57 x 17 x 17 mm (L x H x B)

Subject to technical modifications. Please find information to the ambient temperature range of our GEIGER motors under www.geiger.de

Note: The drive is always operated via the battery backup.

The battery is designed in such a way that at all times (even at 50% capacity) the drive is operational at least 4 minutes.

24. Notes on waste disposal

Recycling of packaging materials

In the interest of environmental protection, please contact your local government's recycling or solid waste management department to learn more about the services it provides.

Waste disposal of electric and electronic equipment and batteries

Electrical and electronic equipment, accessories and batteries must be recycled in an environmentally friendly manner. Do not dispose of electrical appliances, electronic devices and batteries in household waste.

According to European directives, no longer usable electrical appliances, electronic devices and defective or used batteries/rechargeable batteries are collected separately. Reception points are recycling centres and collection points.

Please follow the instructions in the transport section.

25. Spare parts

Art.-Nr.	Description
M56F8422	Drive
M56B908	Left electronic control
M56B942	Right electronic control
M56F155	Adjustment switch
M56F156	Battery for electronic control type 4IFR19/66
M56F157	Outdoor LED display, L= 500 mm
M56F158	Indoor LED display, L= 3000 mm
M56E845	Connection cable, L= 500 mm with STAS 3
M56E846	Connection cable, L= 900 mm with STAS 3
M56E847	Connection cable, L= 3000 mm with open end cable
M56E789	For connection to the LED display, with plug and open end cable, inside, L= 300 mm
M56E791	For connection to the LED display, with plug and open end cable, inside, L= 3000 mm
M56E790	For connection to a control switch, with plug and cable open end, L= 300 mm
M56E792	For connection to a control switch, with plug and cable open end, L= 3000 mm
M56E742	For connection to the fire alarm system, with socket and resistance 8,2 kOhm, L= 3000 mm
M56E787	Connecting cable motor/brake, L= 300 mm
M56E785	Connecting cable motor/brake, L= 500 mm
M56E781	Connecting cable motor/brake, L= 1000 mm
M56E783	Connecting cable motor/brake, L= 2000 mm
M56E788	Encoder connection cable, L= 300 mm
M56E786	Encoder connection cable, L= 500 mm
M56E782	Encoder connection cable, L= 1000 mm
M56E784	Encoder connection cable, L= 2000 mm

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**For technical questions, please call our service team at: +49 (0) 7142 938 333.
They will be happy to assist you.**

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