

Tubular motor:

GEIGER SOLIDline

Motor control:

SOLIDline EasyWireless-ZIP 2.x and 3.x (GU45...-F03)

for ZIP screens



EN

**Original assembly and
operating instructions**

EN

Index

1. General information	2
2. Guarantee.....	2
3. Intended use	3
4. Safety instructions	3
5. Safety instructions for assembly	4
6. Installation instructions	5
7. Information for the specialist electrician	6
8. Bringing into service.....	6
9. Learning / deleting the transmitter	7
10. Control options.....	8
11. Activate the learning mode for end positions	8
12. Setting of the end positions with EasyWireless-ZIP 2.x (Qi mode).....	9
13. Setting of the end positions with EasyWireless-ZIP 3.x (automatic mode)	9
14. Learning the intermediate position	10
15. Grouped control	10
16. Deactivation of the close range function	11
17. Transmitters.....	12
18. Starting from the end positions	12
19. Obstacle detection	13
20. Deactivating the obstacle detection in DOWN direction	13
21. Reactivating the obstacle detection	13
22. End position correction	14
23. What to do if... ..	14
24. Maintenance.....	14
25. Declaration of conformity.....	15
26. Technical data.....	16
27. Notes on waste disposal	16

EN

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.

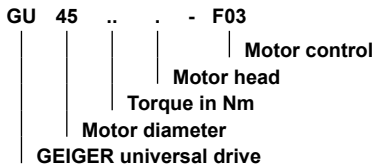
2. Guarantee

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 series **SOLIDline (GU45...-F03)** with electronic end stop are designed exclusively for the operation of ZIP screens.

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



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.

EN

5. 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. Fixations shall not be made with adhesives since they are regarded as unreliable.

6. Installation instructions



Before fixing, the strength of the masonry or of the subsurface is to be checked.



Prior to installation please check to ensure there is no visible damage to the motor like cracks or open cables.



Caution: If the tube is screwed/riveted to the drive, the measure must be taken from the tube end to the center of the drive and marked on the tube.

When drilling the winding shaft **never** drill into the area of the tubular motor!

When inserting into the shaft, the tubular motor must **not** be struck and must **not** be allowed to fall into the shaft.

Installation into the screen:

Insert motor with a suitable adapter and drive into the shaft up to the stop of the shaft adapter.

Fix the motor support on the side piece.

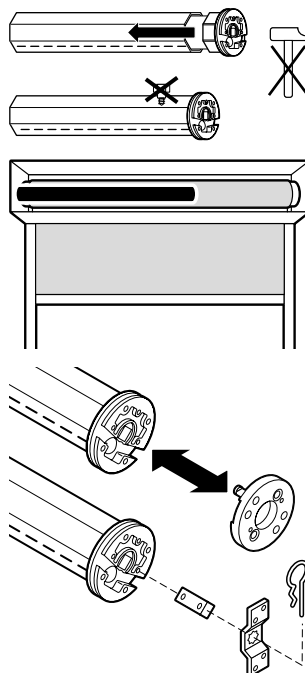
Fix the motor together with the shaft on the motor support.

Depending on the selected motor head, different fixation systems can be used:

- Place the motor with square insert in the star-shaped bearer and lock with pin
- Place the motor into the existing engine bearer and lock
- Place the motor in a compatible engine bearer with clip system and lock with spring or rotating lever



The GEIGER SOLIDline motor is suitable for shaft diameters from 50 mm!



EN

7. Information for the specialist electrician



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

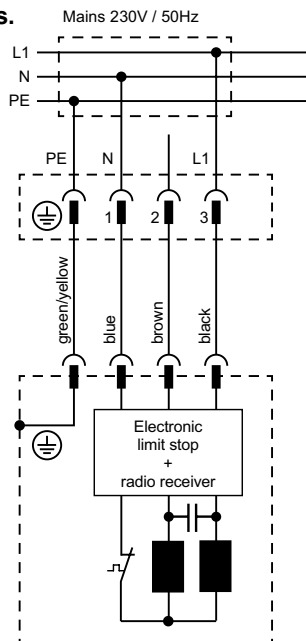
The operations with the service clamps may be accomplished only by an electrical specialist.

Motors with electronic limit stops can be connected in parallel. In this case the maximum load of the switching unit must not be exceeded.

When changing the running direction the switchover must be effected through an off-position.

When changing the running direction the switchover time must be at least 0.5 s.

With a three-phase network, please use the same external conductor in order to control the UP and DOWN directions. PVC cables are not suitable for equipment used outdoors or exposed to prolonged high levels of UV radiation. These cables should not be used if they are likely to touch metal parts that can heat up to temperatures exceeding 70°C. Connecting cables with plug connectors of the Hirschmann Company are tested and approved with couplings of the Hirschmann Company.



8. Bringing into service

Definition of "short range":

Distance of the transmitter to the motor control: max. 15 cm,
or

hold at the transmitter directly on to the motor connecting cable. The motor connecting cable thus serves up to a length of 3 meters as an "antenna".

Definition of "long range":

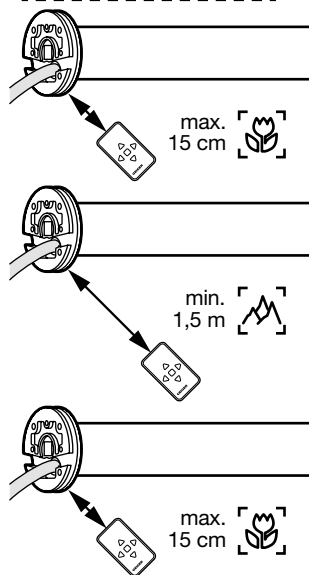
Distance of the transmitter to the motor control:
min. 1,5 meter,

or

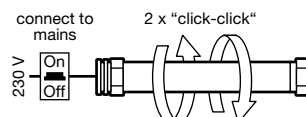
Distance of the transmitter to the motor connecting cable:
min. 0,5 meter.

Learning the transmitter

Hold the handheld transmitter at short range and hold key UP or DOWN pressed.



Switch on the power supply. After 2 seconds, the motor confirms with 2 x "click-click" that the learning is completed.
Up to 3 transmitters can be programmed that way.



9. Learning / deleting the transmitter

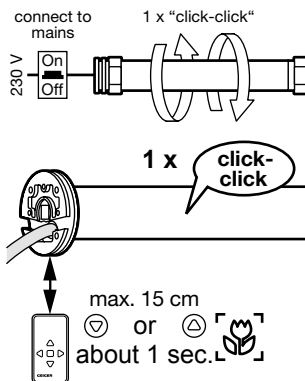
Activate the learning mode (only necessary for further transmitters):

Connect the motor to the power supply.

Switch on the mains. The motor makes a short back and forth movement (1 x "click-click"). At short range press UP or DOWN key and keep it pressed for about 3 seconds until the motor confirms (1 x "click-click").

After each interruption of the voltage supply, the learning mode **can** be activated for 30 min.

The learning mode is necessary in order to learn transmitters or to adjust the end positions.



! The learning mode must be activated first in order to learn / delete the transmitter.

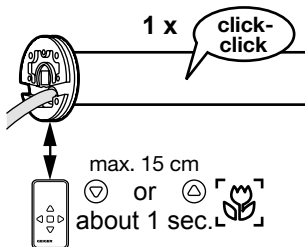
! If no action takes place within 60 seconds, the learning mode is deactivated. The motor returns to normal operation (3 x "click-click").

Learning the transmitter

! The learning mode must be activated first in order to learn / delete the transmitter.

At short range press UP or DOWN key for about 1 second. The motor confirms (1 x "click-click").

The transmitter is taught to the motor.

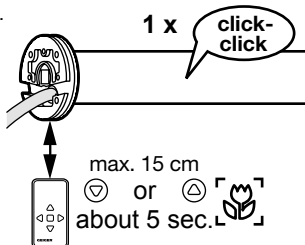


Deleting the programmed transmitter

! The learning mode must be activated first in order to learn / delete the transmitter.

At short range, press the UP or DOWN key for about 5 seconds. The motor reacts immediately (1 x "click-click"). Keep the key pressed about 5 sec. until the motor confirms the deleting of the transmitter with 1 x "click-click".

! Please note: You can only delete all transmitters and sensors together. It is not possible to delete an individual transmitter / sensor.




EN

10. Control options

Characteristics of the controls EasyWireless-ZIP		
	Easy-Wireless-ZIP 2.x	Easy-Wireless-ZIP 3.x
Lower end position: free positioning or torque shutoff	-	-
Upper end position: free positioning or torque shutoff	-	-
Qi mode: Move to lower end position and without stop retract screen.	X	-
Upper end position: torque shutoff		
Automatic mode: Lower and upper end position: torque shutoff	-	X
Dual-Stop-Control	X	X
Hanging length adjustment	X	X
Less charge in the upper end position	-	-
GEIGER Powertronic (power level)	X	X
GEIGER locking force reduction	X	X

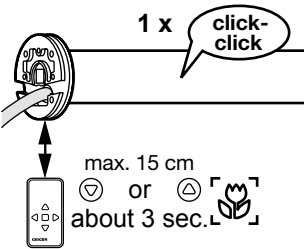
11. Activate the learning mode for end positions



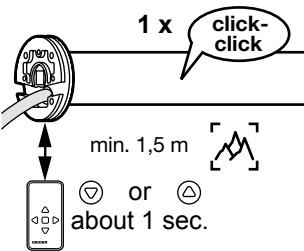
Test before setting the end position if the motor is already in the learning mode for end positions. The motor jerks (start, stop, start) at each run command to confirm the learning mode activation. If this is not the case, the learning mode and the learning mode for end positions must be activated.

Activate the learning mode

At short range press UP or DOWN key for about 3 seconds.
The motor confirms (1 x “click-click”).



At long range press UP or DOWN key for about 1 second.
The motor confirms (1 x “click-click”).



12. Setting of the end positions with EasyWireless-ZIP 2.x (Qi mode)



The distance between the upper and lower end stops must be about 25 cm which corresponds to one tube rotation at least.



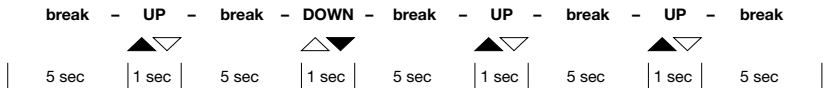
In order to set the end positions, the learning mode for end positions must be activated. The motor jerks (start, stop, start) at each run command to confirm the learning mode activation.

Changing the end positions

1. Move the screen to the new lower end position. Any adjustment can be realized here.
2. Move the screen from the new selected lower end position to the upper position without any interruptions until the motor automatically shuts down (torque detection). The programming procedure is then completed and the motor returns to normal operating mode. The UP and DOWN keys are now assigned to the corresponding rotation direction of the motor.

Alternative to the learning mode for end positions:

Following operations are to be effected:



Please note: between each travel operation, a break of at least 5 seconds must be respected.

Motor feedback

EasyWireless-ZIP 2.x
1 x click-click

• Learning mode for end positions activated

13. Setting of the end positions with EasyWireless-ZIP 3.x (automatic mode)



The distance between the upper and lower end stops must be about 25 cm which corresponds to one tube rotation at least.



In order to set the end positions, the learning mode for end positions must be activated. The motor jerks (start, stop, start) at each run command to confirm the learning mode activation.

1. Keep UP or DOWN key pressed to move the screen to the lower end position. After 3 seconds, the motor switches to automatic mode and the key can be released.
2. The screen moves downwards till the lower stop and the motor switches off.
3. The screen moves now automatically to the upper end position. When the screen has reached the upper position the motor shuts off. The programming procedure is then completed and the motor returns to normal operating mode. The UP and DOWN keys are now assigned to the corresponding rotation direction of the motor.

Motor feedback

EasyWireless-ZIP 3.x
1 x click-click

• Learning mode for end positions activated

EN

14. Learning the intermediate position

Travel from any position to the selected end position, stop with the stop key or the opposite key and hold key pressed for approx. 3 sec. until the motor responds (1 x "click click"). Then release the key.

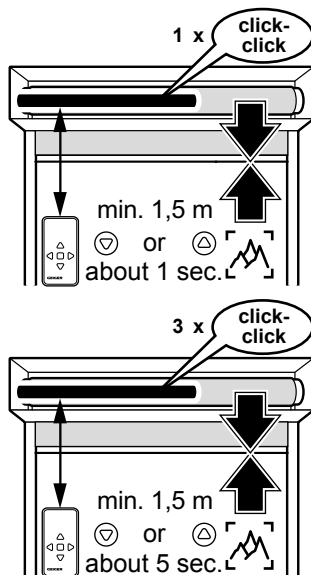
The intermediate position is now stored.

Changing the intermediate position

See "learning the intermediate position" and select a new intermediate position.

Deleting the intermediate position

Stop the screen from UP or DOWN movement and keep key pressed for about 5 sec. – the motor responds with 1 x "click-click" after 3 sec. – until the motor confirms the deletion (3 x "click-click").



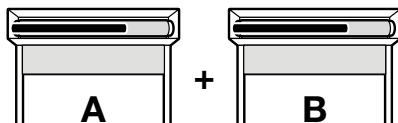
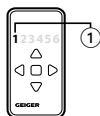
15. Grouped control

(see also point Learning / deleting the transmitter)

1. Operate together screen A and screen B with a one- channel transmitter.

Screens A + B

1. Actuate key 3 sec. at close range to activate the learning mode of screen A.
2. Actuate key 1 sec. at close range to program the transmitter of screen A.
3. Actuate key 3 sec. at close range to activate the learning mode of screen B.
4. Actuate key 1 sec. at close range to program the transmitter of screen B.

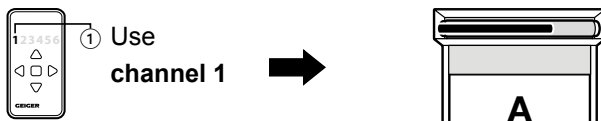


Same operation for **three or more** screens.

2. Individual or grouped control of screen A + screen B with a 6-channel transmitter.

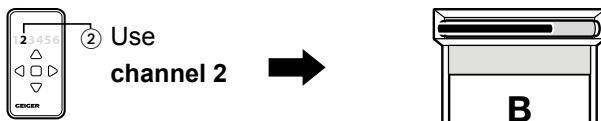
Screen A

1. Actuate key 3 sec. at close range to activate the learning mode of screen A.
2. Actuate key 1 sec. at close range to program the transmitter of screen A.



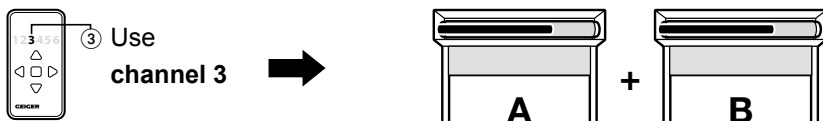
Screen B

1. Actuate key 3 sec. at close range to activate the learning mode of screen B.
2. Actuate key 1 sec. at close range to program the transmitter of screen B.



Screens A + B

1. Actuate key 3 sec. at close range to activate the learning mode of screen A.
2. Actuate key 1 sec. at close range to program the transmitter of screen A.
3. Actuate key 3 sec. at close range to activate the learning mode of screen B.
4. Actuate key 1 sec. at close range to program the transmitter of screen B.



16. Deactivation of the close range function

If two motors are installed so that both trigger in the close range, there is the option of deactivating the close-range function in one of the two motors.



The prerequisite is that the motors must be assigned to different key pairs.

To deactivate the close-range function, move the selected screen to the upper end position, push the UP key and keep it pushed for about 5 seconds until the motor confirms (2 x "click-click"). The motor must be briefly disconnected from the mains to activate the close-range function.

EN

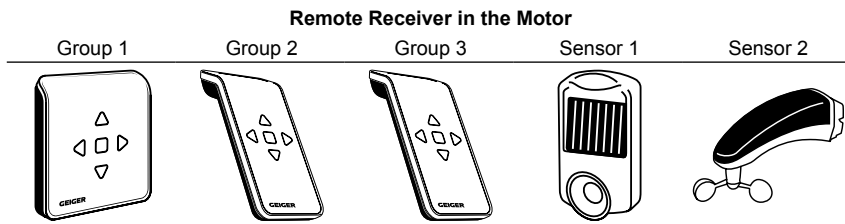
17. Transmitters

A maximum of three different transmitters can be taught-in. The motor can therefore be a part of three independent groups. Additionally, two sensors can be taught-in.

Should there already be three transmitters and you attempt to teach-in a fourth, the old third transmitter will be deleted and the new one will replace it.

Should there already be two sensors and you attempt to teach-in a third, the second one will be deleted and the new one will replace it.

Example:



Programming from short range / long range

An approximation detector is integrated in the motor's remote receiver, which recognizes whether a remote transmission is being operated from a distance = long range, (at least 1,5 meters from the motor control and 0,5 meters from the motor cables), or in tight on the antenna = short range, (maximum 15 cm away and directly on the motor connection cable).



Caution: Should remote receivers or motor connection cables lie near one another, codes could unintentionally be transferred to other remote receivers.

Recommendation:

Motors operated via a different pair of keys, or through a different transmitter, should be disconnected from the power line during initial operation.

By the handheld and wall transmitters of the LC series the first 6 digits are configurable. The DIP switch Nr. 7, 8 and 9 have no functions.

18. Starting from the end positions

EN

No intermediate position has been programmed:

To start from the end positions, a short key pressure in the corresponding direction of movement is sufficient.

To stop the movement, a short key pressure in the opposite direction is sufficient.

Should a sun-wind sensor be integrated into the system, the end positions are started in automatic mode (sun-on).

An intermediate position is programmed:

To start from the end positions, the key corresponding to the correct direction of movement must be pressed for **at least 1,5 seconds**.

With a short key press of **under 1.5 seconds**, the **intermediate position** is travelled to.

For stopping the travel movement a short key press in the opposite direction is sufficient.

Should a sun-wind sensor be integrated into the system, the end positions are started in automatic mode (sun-on).

19. Obstacle detection

When, after the teaching of the first complete, uninterrupted travel from one end position to the other end position is carried out, the torque needed is learnt.

In any following complete, uninterrupted travel from end position to end position, the torque needed is automatically readjusted. Slow changes in the installation due to ageing, soiling, cold or heat are thus automatically taken into consideration.

This process takes place for both running directions independently of one another. If a travel movement in UP or DOWN direction is blocked by an obstacle, the motor switches off.

The motor tries up to six times – depending on the configuration – to achieve the end position.

The running direction in which the obstacle was recognized is blocked. The block is removed if the motor has been operated in the opposite direction for a certain time. An obstacle must thus first be released before the motor can be operated again in the direction of the obstacle.



Because of the motor sensitive obstacle detection, the correct dimensioning of the torque for the respective installation size is essential.

In the following table please find a selection aid to find out the right motor size:

Weight of bottom bar [kg]

Winding diameter [mm]		3	4	5	7,5	10	12,5	15	17,5	20	22,5	25	27,5	30	32,5	35	37,5	40	42,5	45	47,5	50
	50	0,9	1,2	1,5	2,2	2,9	3,7	4,4	5,2	5,9	6,6	7,4	8,1	8,8	9,6	10,3	11,0	11,8	12,5	13,2	14,0	14,7
	55	1,0	1,3	1,6	2,4	3,2	4,0	4,9	5,7	6,5	7,3	8,1	8,9	9,7	10,5	11,3	12,1	12,9	13,8	14,6	15,4	16,2
	60	1,1	1,4	1,8	2,6	3,5	4,4	5,3	6,2	7,1	7,9	8,8	9,7	10,6	11,5	12,4	13,2	14,1	15,0	15,9	16,8	17,7
	65	1,1	1,5	1,9	2,9	3,8	4,8	5,7	6,7	7,7	8,6	9,6	10,5	11,5	12,4	13,4	14,3	15,3	16,3	17,2	18,2	19,1
	70	1,2	1,6	2,1	3,1	4,1	5,2	6,2	7,2	8,2	9,3	10,3	11,3	12,4	13,4	14,4	15,5	16,5	17,5	18,5	19,6	20,6
	75	1,3	1,8	2,2	3,3	4,4	5,5	6,6	7,7	8,8	9,9	11,0	12,1	13,2	14,3	15,5	16,6	17,7	18,8	19,9	21,0	22,1
	80	1,4	1,9	2,4	3,5	4,7	5,9	7,1	8,2	9,4	10,6	11,8	12,9	14,1	15,3	16,5	17,7	18,8	20,0	21,2	22,4	23,5
	85	1,5	2,0	2,5	3,8	5,0	6,3	7,5	8,8	10,0	11,3	12,5	13,8	15,0	16,3	17,5	18,8	20,0	21,3	22,5	23,8	25,0
	90	1,6	2,1	2,6	4,0	5,3	6,6	7,9	9,3	10,6	11,9	13,2	14,6	15,9	17,2	18,5	19,9	21,2	22,5	23,8	25,2	26,5
	95	1,7	2,2	2,8	4,2	5,6	7,0	8,4	9,8	11,2	12,6	14,0	15,4	16,8	18,2	19,6	21,0	22,4	23,8	25,2	26,6	28,0
	100	1,8	2,4	2,9	4,4	5,9	7,4	8,8	10,3	11,8	13,2	14,7	16,2	17,7	19,1	20,6	22,1	23,5	25,0	26,5	28,0	29,4
	105	1,9	2,5	3,1	4,6	6,2	7,7	9,3	10,8	12,4	13,9	15,5	17,0	18,5	20,1	21,6	23,2	24,7	26,3	27,8	29,4	30,9
	110	1,9	2,6	3,2	4,9	6,5	8,1	9,7	11,3	12,9	14,6	16,2	17,8	19,4	21,0	22,7	24,3	25,9	27,5	29,1	30,8	32,4
115	2,0	2,7	3,4	5,1	6,8	8,5	10,2	11,8	13,5	15,2	16,9	18,6	20,3	22,0	23,7	25,4	27,1	28,8	30,5	32,2	33,8	
120	2,1	2,8	3,5	5,3	7,1	8,8	10,6	12,4	14,1	15,9	17,7	19,4	21,2	23,0	24,7	26,5	28,3	30,0	31,8	33,6	35,3	
	6 Nm					10 Nm					20 Nm					30 Nm						

These are estimated values so please check the correct functioning of the installation.



When using a wind sensor the correct functioning of the retract command under wind load should be checked by the manufacturer of the sun protection before commissioning.

EN

20. Deactivating the obstacle detection in DOWN direction

With EasyWireless-ZIP, the obstacle detection in DOWN direction can be deactivated by moving to the lower end position and then press again the DOWN key of the remote control for 5 seconds. The motor jerks 2 x for confirmation.

21. Reactivating the obstacle detection

The obstacle detection is active again as soon as the motor is switched into the learning mode for end positions.

22. End position correction

If a **lengthening/shortening** of the hanging has resulted due to e.g. temperature changes, this will be automatically corrected by closing the awning.

If, due to temperature changes, **modified winding behaviour** should arise and the hangings should run against the stop, an immediate end position correction takes place.

After the first reference run, the motor automatically identifies the torque necessary to close the screen and closes it with the lowest possible power, so that the fabric is optimally protected.

23. 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 mains voltage and allow the cause of the voltage breakdown to be tested by a specialist electrician.
Instead of in the downwards direction, motor runs upwards.	<ul style="list-style-type: none">• End position order was not observed. Reset end stops.
Transmitter does not work.	<ul style="list-style-type: none">• Check the battery.• The wind sensor has triggered. Try it again after the expiry of the wind cut-off time.• Inadvertent deletion of the transmitter• Start learning again.
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.
The motor no longer runs automatically.	<ul style="list-style-type: none">• The sun automatic control mechanism was switched off.• The wind sensor has triggered. Try it again after the expiry of the wind cut-off time.• Inadvertent deletion of the transmitter. Start learning again.
The motor jerks during starting (start, stop, start).	<ul style="list-style-type: none">• The motor is in learning mode. The minimum travel distance might have been under passed.
The motor does not react to the short range.	<ul style="list-style-type: none">• Move as close as possible to the motor head or the connecting cable.• Exchange the batteries in the transmitter.• The short range is deactivated. In order to activate the short range, disconnect the motor from the power supply for about 3 seconds.• The learning mode time is over (30 minutes).

24. Maintenance

The drive is maintenance-free.

25. Declaration of conformity

GEIGER
ANTRIEBSTECHNIK

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:

Schleifmühle 6, D-74321 Bietigheim-Bissingen

Bietigheim-Bissingen, 18.07.2023


Roland Kraus (General Manager)

Gerhard Geiger GmbH & Co. KG

Schleifmühle 6 | D-74321 Bietigheim-Bissingen
Phone +49 (0) 7142 9380 | Fax +49 (0) 7142 938 230 | info@geiger.de | www.geiger.de
Sitz Bietigheim-Bissingen | Amtsgericht Stuttgart HRA 300591 | USt-IdNr. DE145002146
Komplementär: Geiger Verwaltungs-GmbH | Sitz Bietigheim-Bissingen | Amtsgericht Stuttgart HRB 300481
Geschäftsführer: Roland Kraus | WEEE-Reg.-Nr. DE47902323

100W1318 en 0723

EN

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

26. Technical data

Technical data of tubular motor SOLIDline-SOC (GU45..)				
	GU4506	GU4510	GU4520	GU4530
Voltage	230 V~/50 Hz			
Current	0,36 A	0,47 A	0,63 A	0,8 A
Cos Phi (cosφ)	>0,95			
Inrush current (factor)	x 1,2			
Power	83 W	105 W	140 W	180 W
Torque	6 Nm	10 Nm	20 Nm	30 Nm
Speed	16 rpm	16 rpm	16 rpm	16 rpm
Protection class	IP 44			
Total length¹⁾	509,5 mm	519,5 mm	549,5 mm	569,5 mm
Operating mode	S2 4 min	S2 4 min	S2 5 min	S2 4 min
Sound pressure level²⁾	39 dB(A)	39 dB(A)	41 dB(A)	41 dB(A)
Diameter	45 mm			
Weight	ca. 1,85 kg	ca. 1,90 kg	ca. 2,20 kg	ca. 2,40 kg
Air humidity	dry and non-condensing place			
Storage temperature	T = -15°C .. +70°C			

¹⁾ **SOLIDline-COM** + 0,5 mm

²⁾ The average sound pressure level data are intended for guidance only. The values were determined by GEIGER at a distance of 1 m, with a hanging motor at idle speed and averaged over 10 seconds. There is no reference to any specific test standard.

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

27. 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

Electrical and electronic equipment must be collected and disposed of separately in accordance with EU regulations.

EN

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

GEIGER
ANTRIEBSTECHNIK

Gerhard Geiger GmbH & Co. KG
Schleifmühle 6 | D-74321 Bietigheim-Bissingen
T +49 (0) 7142 9380 | F +49 (0) 7142 938 230
info@geiger.de | www.geiger.de

