

GEIGER-Funk

Sunshade controls

Wall-mounted radio transmitter

with timer function

GF0020

Installation and Operating Instructions

*for pre-coded
systems*

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1 Introduction

By deciding to buy the Geiger wall-mounted radio transmitter **GF0020** you have made a good choice. The device you have acquired is a high quality product made by Geiger.

The wall-mounted radio transmitter **GF0020** enables the automatic operation of your rolling shutters and sunshade installations. The desired switching times can be stored in a fast and easy manner. The change-over from summer- to winter time can be realised without problems.

As the switching signals are all transmitted via radio, no time-consuming and labour-intensive laying of control lines is needed.

All **radio receivers with integrated motor control** or **rolling shutter control with integrated radio receivers** can be used along with the wall-mounted GEIGER-Funk radio transmitter model **GF0020** as an operating unit:

The wall-mounted GEIGER-Funk radio transmitter **GF0020** can be assigned to the individual receivers as single-, group- or central control system.

2 Safety information

- The control is determined for use within the limits of the specified application described in chapter 3 hereafter. If any unauthorised changes or modifications to the control are made, all warranty claims with regard to this product become extinct.
- Immediately after unwrapping of the control, it must be checked for damages.

In the event of damages, the device must in no case be put into operation.

Should damages have occurred, the supplier must be informed thereof immediately.

- If it is to be assumed that a safe operation of the control cannot be guaranteed, the control must immediately be taken out of operation and be protected against any unintentional or unauthorised operation. This assumption becomes real in the event the housing shows damages or if the device doesn't work any more.
- The responsibility for the compliance with the relevant regulations established by the power supply companies or the Union of German Electrical Engineers (VDE) is, according to VDE 0022, incumbent on the user and the related fitting firm.

3 Specified application

- The wall-mounted radio transmitter **GF0020** may only be used to drive rolling shutters of sunshade installations (blinds, window blinds, etc.).
- Use the **GF0020** with no other than the radio receivers authorised by Geiger.

4 Installation

The wall-mounted radio transmitter GF0020 is battery powered and needs not be connected to a mains power line therefore. The device can be screwed down even with the wall or can be glued on it.

Select the place of installation according to the following criteria:

- The distance between the **GF0020** and the next receiver (e.g. model GFJ007) should come to at least 1 metre.
- The place of installation should be in the centre of all receivers to be controlled or should at least be as close to it as ever possible.
- Before installing the device finally, make a test as of the place envisaged for installation first. If all receivers can be controlled from this place, the place suits for the final installation of the device.
- Ready! The pre-coded system can now be operated radio controlled!

5 General description

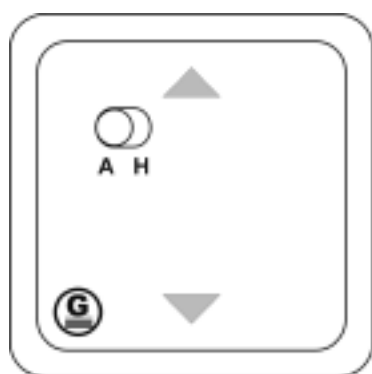
The wall-mounted GEIGER-Funk radio transmitter GF0020 is equipped with an internal time switch. This internal time switch enables the programming of a day cycle program (1 opening and 1 closing operation) that is repeated every 24 hours.

Beyond that, a week cycle program too can be programmed, based on which an your rolling shutter or sunshade can be opened or closed all automatically and individually on all seven days of the week.

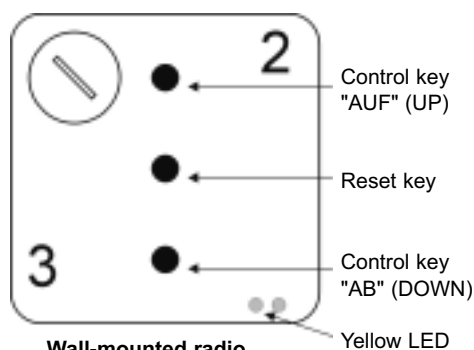
A slide switch fitted on the front of the GF0020 enables to turn the timer function off.

6 Programming and operation

The control elements needed for the programming of the wall-mounted radio transmitter are located on its rear (see illustration below). Hold the wall-mounted radio transmitter at its upper edge and remove it from the holder by pulling it out.



Wall-mounted radio transmitter GF0020
Front view



Wall-mounted radio transmitter GF0020
Rear view

6.1 Changing of the coding of the wall-mounted radio transmitter

1. Actuate both control keys simultaneously for > 3 sec. The yellow LED flashes shortly to indicate that the device has changed over to the learning mode.
2. Now hold the radio transmitter the coding of which shall be learned close to the position marked with the number "2".
3. Then actuate the key on the hand-held radio transmitter determined for the export of the related coding and keep it depressed.

4. After that actuate the key on the wall-mounted radio transmitter determined for the import of the related coding.
 5. After completion, the LED flashes shortly to indicate that the coding has been stored.
- To change the coding of the second key of the wall-mounted radio transmitter to be learned, repeat steps 1 to 5 accordingly.

6.2 Transmission of codings from the wall-mounted radio transmitter to the receiver

To transmit codings from the wall-mounted radio transmitter to a receiver or to a motor control with integrated radio receiver, hold the side marked with the number "3" to the antenna of the receiver or to the correspondingly marked position. To learn the coding into a receiver or a motor control, please refer to the operating instructions supplied with the related receiver / the related motor control.

6.3 Programming of the switching times for automatic opening and closing

Entry of a day cycle program

The factory presetting of the wall-mounted radio transmitter includes no pre-programming. As a precautionary measure, all switching times should nevertheless be deleted prior to any programming. For this purpose, take the radio transmitter out of the wall-mounted holder and actuate the reset key (key in the middle) for more than 10 sec.. After that, all switching times are deleted.

To operate or drive your rolling shutter / sunshade in automatic mode, the timer integrated in the wall-mounted radio transmitter must be programmed. All switching times need to be stored at the time, the automatic motion command (i.e. rolling shutter / sunshade up (opening) or down (closing)) shall henceforth actually be executed.

Example: In the event your rolling shutter shall be pulled up at 7.00 o'clock a.m., the switching time needed for the execution of this procedure must be programmed at exactly 7.00 o'clock a.m..

Programming of the switching time needed to open the rolling shutters / sunshades:

1. Place the switch "A/H" fitted on the front of the wall-mounted radio transmitter into the position "H" first.
2. Then actuate the key "Öffnen" (opening), the rolling shutter / sunshade is being pulled up.
3. After that, place, within 10 seconds, the switch "A/H" back into the position "A".

With that, the switching time for the execution of the opening procedure is programmed. In automatic mode, this switching command is now executed once every day on all seven days of the week.

Programming of the switching time needed to close the rolling shutters / sunshades:

- 1 Place the switch "A/H" fitted on the front of the wall-mounted radio transmitter into the position "H" first.
- 2 Then actuate the key "Schließen" (closing), the rolling shutter / sunshade moves down.
- 3 After that, place, within 10 seconds, the switch "A/H" back into the position "A".

The switching time for the execution of the closing procedure is now programmed. In automatic mode, this switching command is now executed once every day on all seven days of the week.

Entry of a week-cycle program:

In the event you should like to change the fix-programmed switching times of your week-cycle program with regard to individual days (e.g. the weekend days), perform the programming procedure described here above again at the desired time on the corresponding week-days. Any such programming overwrites the previously programmed switching time. In automatic mode, this switching command is now executed only once on this particular week-day.

In order to learn, in one go, a new week-cycle program, the switching times of which match up with each another on all days of the during the week, all switching times probably programmed beforehand must be deleted as described here above.

6.4 Change-over from daylight savings to wintertime: adaptation of the switching times

Change-over from daylight savings to wintertime (standard time):

- 1 Place the switch "A/H" fitted on the front of the wall-mounted radio transmitter into the position "H" first.
- 2 Then actuate the rocker key in the "closing function" ("Schließen") direction and hold it depressed for less than 8 seconds. The rolling shutter / sunshade is being moved downwards now.
- 3 After that, place, within 10 seconds, the switch "A/H" back into the position "A".

After completion of this procedure, the time is put back by one hour.

Change-over from wintertime (standard time) to daylight savings time:

- 1 Place the switch "A/H" fitted on the front of the wall-mounted radio transmitter into the position "H" first.
- 2 Then actuate the rocker key in the "opening function" ("Schließen") direction and hold it depressed for more than 8 seconds. The rolling shutter / sunshade is being moved upwards now.
- 3 After that, place, within 10 seconds, the switch "A/H" back into the position "A".

After completion of this procedure, the time is advanced by one hour.

6.5 Switching over from automatic to manual mode

The switch "A/H" enables to activate or deactivate the operation in automatic mode. In the event the switch is in the position "A", all previously programmed switching times are executed precisely down to the minute. In the event it is in the position "H", the automatic motion operation is interrupted and all other functions continue to be effective.

6.6 Deletion of all switching times

Take the radio transmitter out of the wall-mounted holder.

Depress the reset key (key in the middle) for more than 10 sec.

All probably programmed switching times are now deleted.

Insert the radio transmitter into the wall-mounted holder again.

7 Disposal

7.1 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.

7.2 Waste disposal of electric and electronic equipment

Electronic equipment or batteries cannot be discarded along with the normal household waste. Keep for more information on the recycling and disposal methods envisaged by the local regulations in your area.

8 Declaration of conformity

We herewith explicitly declare that this product complies with the essential requirements and relevant directives. It is authorised for use in all EC member states and in Switzerland without any need of prior registration.

The Declaration of Conformity concerning this product is available on our website:
www.geiger-antriebstechnik.de.