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1. Safety information

- Avoid interfering with the mechanics by hand. There is always a risk of injury!
- Do not bend or change anything on the mechanical elements in the unit. This can lead to loss of warranty.
- The Doorkeeper uses NiMH rechargeable batteries. Observe the separate safety instructions for the rechargeable batteries.
- The maximum slide weight on the Doorkeeper should not exceed 2kg.
- A minimum weight of approx. 200g should be given.
- The device is not a toy. Children must not handle the unit unsupervised. There is a risk of injury from moving parts in the unit or in the area of the slider.
- Do not apply external mains voltage (230V) directly to the unit. This will destroy the unit.
- The Doorkeeper is operated via an external power supply unit (12V). Observe the corresponding instructions under "Electrical connection".
- The unit has an overload protection which stops the motor in case of a blockage during opening and tries to open again every 10 seconds. The force at shutdown may still be sufficient to cause injury. Do not reach between the opening flap.

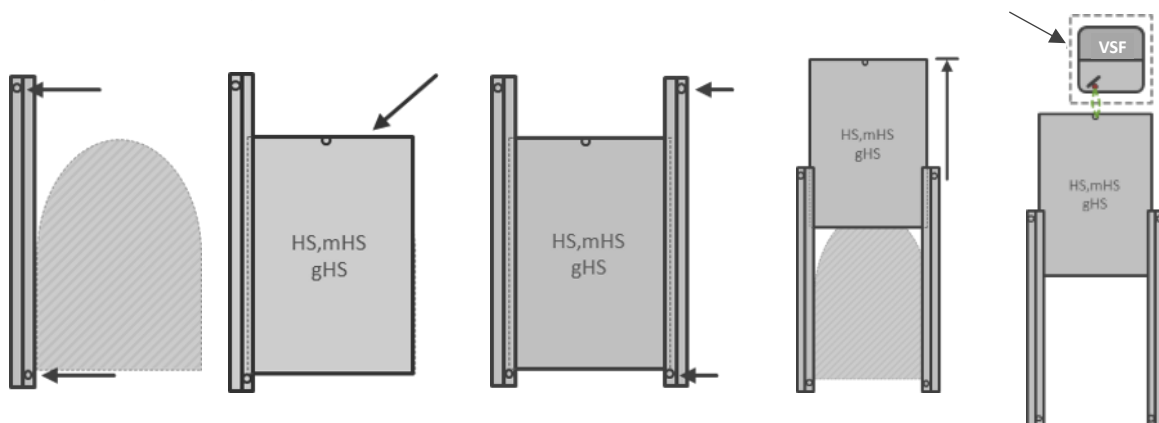


2. Functional Description

- The VSF/r opens vertically installed chicken flaps with a total weight of up to 2kg by activating the power via the external socket timer. Deactivating the socket timer closes the flap.
- All the possibilities of the socket timer are thus available. Either via a simple analogue socket timer, or via a WLAN socket timer. This means that extensive controls are available via WLAN or home automation, depending on the possibilities of the timer app.
- The power supply for the locking process is provided by 4x NiMH rechargeable batteries, which are charged via the power supply unit.
- A power socket and the appropriate socket timer are absolutely necessary for operation. WLAN reception is mandatory for a WLAN socket.
- Only use batteries of the type supplied or those provided by AXT-electronic.

3. Montage

1. Mount the slider, the rails and, if necessary, the protective rail first. 2.
2. Then pull the slider into the future open position. The slider should not be blocked by a stop (screw, bar or similar). It must be able to move freely to this position. 3.
3. Mount the unit so that you can connect the protruding loop directly to the slider. This sets the upper stop (limit switch in the unit). Do not drop the cover, otherwise the plug contacts will tear from the pins and be damaged. 4.
4. The connection between the slider and the loop of the unit can be made with a connector from our shop or by passing the loop through the hole in the slider from the back and fixing it on the front with a cable tie or key ring.
5. If there is still a distance to be bridged between the opened flap and the mounting location of the unit (when open) (space for the unit may be available at the side or much further above the slider), please use an extension cord between the unit loop and the opened slider. Do not pull out the actual pull cord for this purpose.

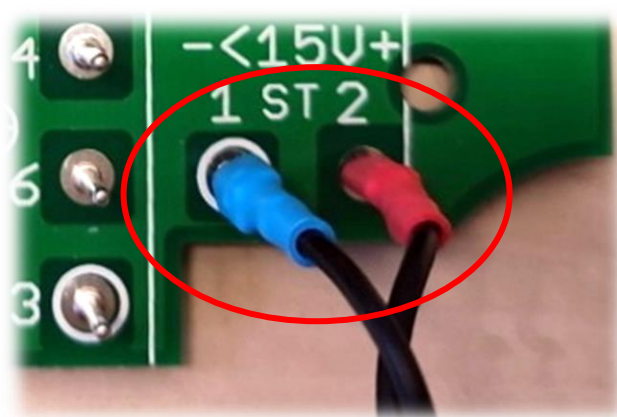


4. Start-Up

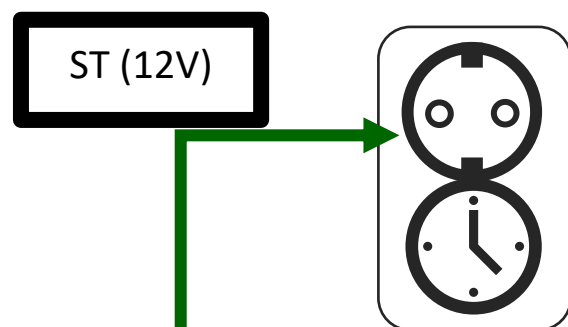
1. The cover is still open due to the previous assembly of the appliance.
2. Plug your socket timer into the socket and set it to "power on".
3. Connect the contacts of the power supply unit to pins 1 (blue) and 2 (red). Then plug the power supply unit into the activated socket timer.
4. Then place the 4 batteries in the battery holder and in the clip holder.
5. Now switch off the power via the socket timer. This must close the flap. Check the free movement of the slider so that it does not get stuck. This may indicate dirt in the rails or an uneven surface and, for this reason, warped rails.
6. set the socket timer to "power on". The flap must be opened until the lower white limit switch is raised again.
7. set your socket timer according to your requirements.
8. Screw the cover back on.
9. the unit is in operation immediately.

5. Electrical Connection

- The plug-in power supply unit is connected to contacts 1 and 2 (ST).
- When unplugging or plugging in the plugs / pins, please unplug the power supply unit from the socket beforehand. Open connections can cause damage to the unit.
- Make sure that the small relay board is correctly seated in the socket. Otherwise the function is not given.
- Also make sure that the jumper above the relay board is plugged in.



Power supply unit 12V on VSF/r



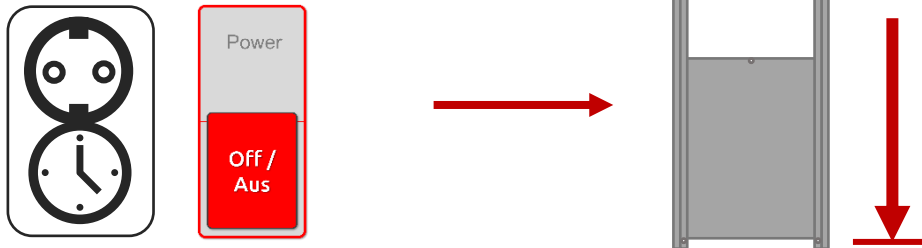
6. Timer Setting

The Doorkeeper is controlled by your own external socket timer. With this, you switch the power on and off. Especially with WLAN socket timers, very extensive switching options are thus available. Each of these timers can be integrated into home automation systems. This means that they can also be controlled manually, e.g. from a holiday via a smartphone app (of the respective WLAN timer), or from the breakfast table. The settings via such an app are usually very simple.

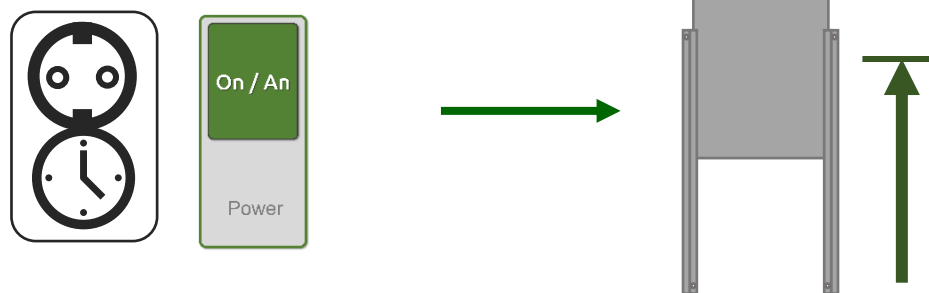
Simple and inexpensive analogue/mechanical timers can also be used efficiently.

When using WLAN or home automation, a WLAN signal, in addition to the power socket, is mandatory.

- Power off = flap closed



- Power on = flap open



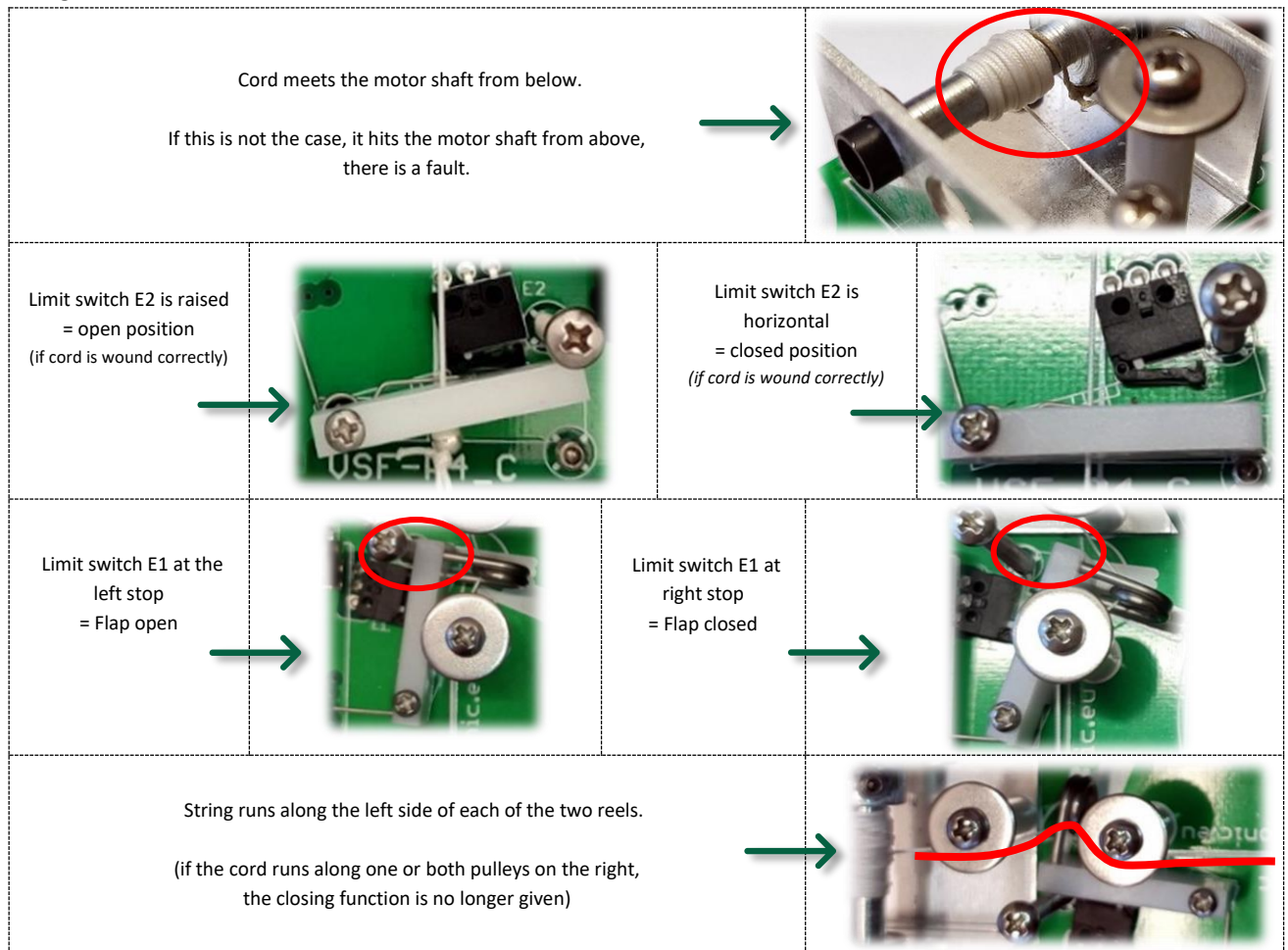
The flap is opened with 12V from the power supply unit. This is relatively quick. It is closed relatively slowly via the inserted batteries.

7. Technical Data

Dimensions:	125x125x60 (BxTxH)
Power supply/accumulators:	4x NiMH batteries, approx. 5.5V (full), approx. 4.4V (discharged), 1900mAh/battery, ONLY use BATTERIES FROM AXT-ELECTRONIC; 12V via ST (mains adapter), excluding the solar cell,
Maximum weight:	200g - 2kg for battery operation; 200g - 4kg for 12V operation
Working hours:	Open: approx. 30 sec. in mains operation (open), approx. 60 sec. when closing
Stroke :	approx. 65cm (path/distance that the slider, the flap, can be moved up and down)

1. Technical Notes

Cord guide/end switch:



Overload shutdown/valve blockage:

- If the motor current becomes too high due to a blockage of the slider (e.g. frozen), the overload cut-off takes effect. This starts from approx. 4-5kg.
- An active overload cut-off is indicated by the yellow LED at the top right of the unit. After approx. 10 seconds, the overload fault is terminated and new opening attempts take place.
- Causes for activating the overload:
 - o The slider is frozen or blocked in the rails.
 - o The slider moves against a resistance before the lower limit switch E2 in the unit is lifted.
 - o The weight on the gate is too high or the voltage of the batteries is too low.



Activated overload shutdown

2. Disposal Instructions / Battery Instructions

- Dispose of the unit and the batteries at the appropriate collection points.
- Rechargeable batteries and batteries are always subject to the risk of outgassing. This can cause consequential damage. If you notice changes in the colour of the battery holder or the contacts, or if the battery holder shows traces of melted plastic, carefully remove the batteries, dispose of them accordingly and contact our service department.



3. Disclaimer

Disclaimer: Electronic devices can fail for a variety of reasons. The use of our equipment does not exempt you from regularly checking and monitoring the welfare of the animals and the function of the equipment. We accept no liability for damage or consequential damage resulting from incorrect installation/operation or defects in the equipment.

Repairs: Should a repair ever be necessary, it is imperative that you clean the units before sending them to us! If mites, other small animals or heavy soiling are present, we reserve the right not to carry out the repair or to charge a surcharge. If possible, send all existing accessories as well, except for the flap/slider/rails.