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1. Safety Instructions

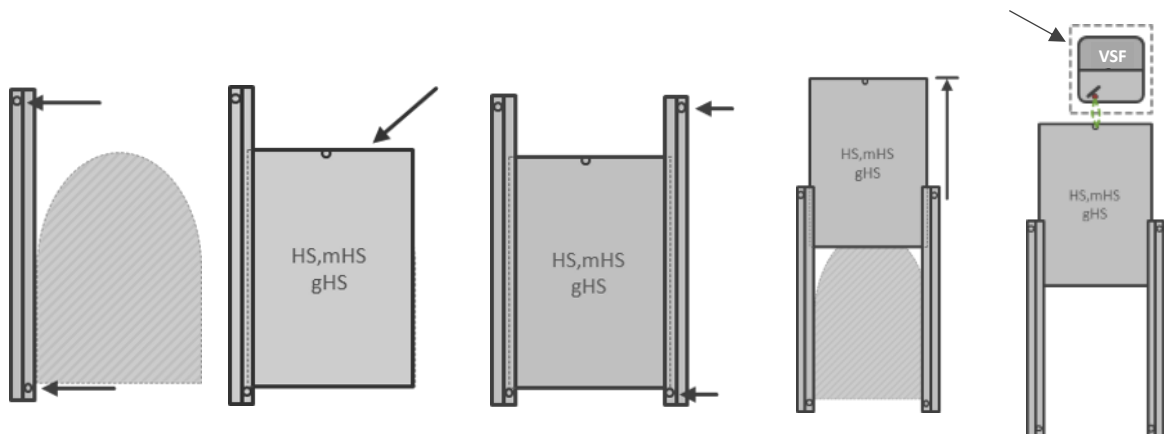
- Avoid interfering with the mechanics by hand. There is always a risk of injury!
- Do not bend or change anything on the mechanical elements in the unit. This can lead to loss of warranty.
- The doorkeeper uses NiMH rechargeable batteries (accus). Observe the separate safety instructions for the rechargeable 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.
- It is also possible to connect an external power supply unit (12V) to the unit. Please observe the corresponding instructions under "Electrical connection". The solar cell must be disconnected for this as the same pins are used.
- The unit has an overload protection that 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 opens and closes vertically installed chicken flaps with a total weight of up to 2kg by means of an integrated timer.
- Several opening and closing phases can be set, which apply to all days of the week.
- Control other than via the integrated timer is not provided.
- The power supply is provided by 4x NiMH rechargeable batteries, which can be charged via the integrated solar cell.
- For this purpose, the unit must be mounted in daylight or the optional external solar cell must be connected and mounted in daylight.
- Alternatively, the rechargeable batteries can also be charged via an external, customer-specific, suitable charger for NiMH rechargeable batteries.
- Only use batteries of the type supplied or those provided by AXT-electronic.

3. Mounting

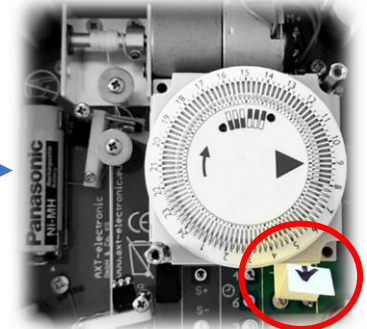
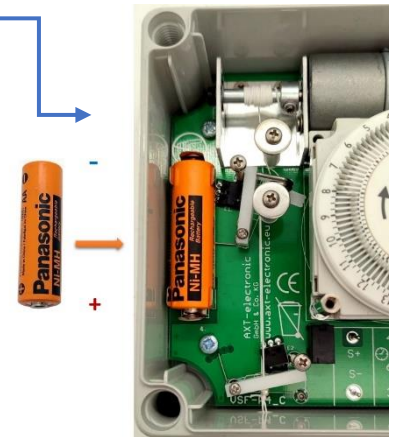
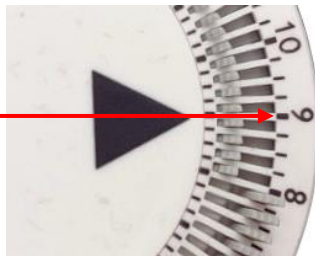
1. Mount the slider, the rails and, if necessary, the protective rail first.
2. Then pull the slider into the future open position. The slider should not be blocked by an upper stop (screw, bar or similar). It must be able to move freely to this position.
3. Mount the unit so that you can connect the 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. 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 slider 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. Commissioning

1. The cover is open due to the assembly.
2. Place the battery of the clock in the mounting clips. The plus pole points downwards in the direction of the lower limit switch. The clock will now start ticking.
3. Now pull the white tab out of the battery holder. This activates the unit.
4. turn the clock wheel clockwise to the area where the tabs are folded outwards. The flap closes. Check that the slider is free to move so that it does not get stuck. This may indicate dirt in the rails or an uneven surface and, for this reason, warped rails.
5. turn the clock back to the area where the tabs are folded inwards. The flap must be opened until the lower white limit switch is raised again.
6. now set the clock to the actual time of day.
7. Notes:
 - a. Screw the cover back on. Make sure that the cable of the solar cell runs over the connection pins in the lower area.
 - b. Also, do not screw the cover on with maximum force to avoid damaging the screws. to avoid damaging the screws. If necessary, use a larger screwdriver if necessary.
8. The unit is now ready for use.

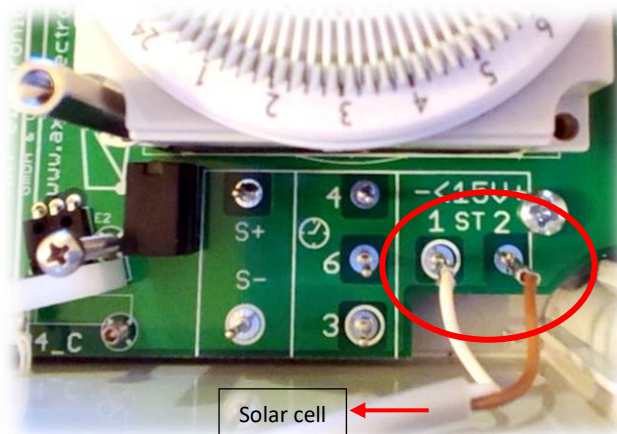
For example, the
current time of
day is set to
09:00.



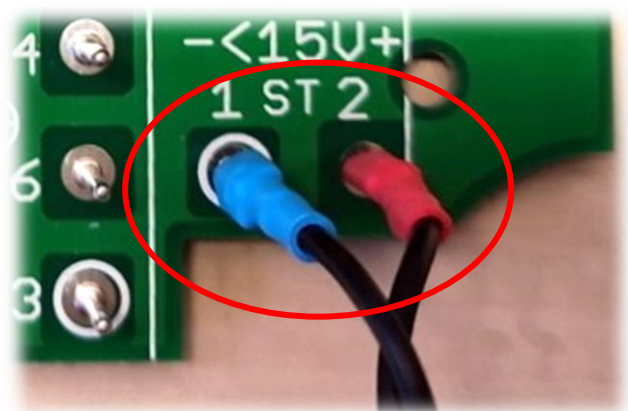
Note: When removing the batteries from under the clock, the clock must be removed. To do this, unscrew the two spacers. Please note that they must be screwed back on when installing the clock.

5. Electrical connection

- The solar cell is connected to contacts 1 and 2 (ST).
- Alternatively, a 12 V power supply unit can be connected to these connections and the unit can be operated via mains current.
- It is, however, necessary to leave the left battery, which is connected separately, in the unit. The clock is operated exclusively via this battery. All batteries are then charged via the mains adapter.
- When connecting the mains adapter to 1 and 2, the cables of the solar cell must be removed from the contacts, insulated and placed in the cover so that they cannot cause interference in the unit.



Solar Cell at the VSF



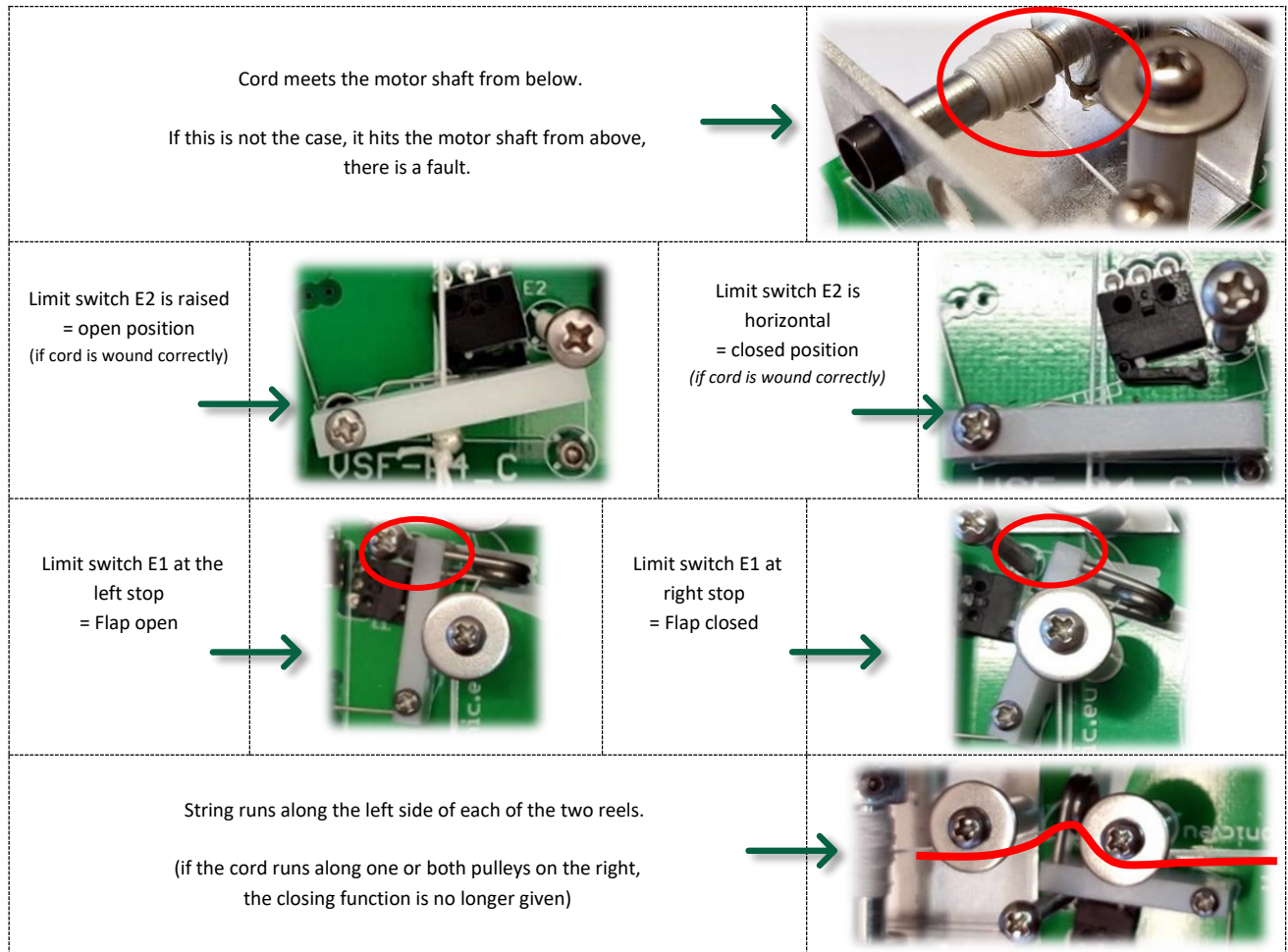
Power supply unit 12V at the VSF (insulate the solar cell cable and fix it in the cover)

- This is also the default setting we have set.

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8. 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 is slightly dependent on the charge level of the batteries, but starts from approx. 2kg.
- When operating with a 12 V power supply unit, the cut-off can start at approx. 4-5 kg.
- 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.



Aktivierter Überlastabschaltung

9. 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.



10. 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.