

Operating Instructions for FA2 Automatic Feeder



Make sure that unauthorized persons, especially children, cannot gain access to this feeder! Nothing may be removed or changed in or on the automatic feeder! Do not reach into the automatic feeder! Although the motor only has an approx. 0.25 W rating, injuries may still occur under certain circumstances. Only use dry feed, maximum 10mm! The housing of the electronic control unit must be kept closed at all times, otherwise dirt may get in and defects could occur!!!

Fit the round trough to the motor mount using 4 screws and toothed washers (included).

Setting the timer:

This is probably the timer that is the simplest to set! Just wait and see!

Press button  until the letter P appears below the hour display. Only then can you start your programming work. The programming mode is left if you do not press a button for 20 seconds and you will then need to press button  again.

1. Setting the working time for the motor and the amount of feed too: Set the working time by pressing button . It is possible to make settings between 1 second and 14 minutes and 59 seconds (14:59). Save the just set working time with key , right next to it. You can then increase the working time in line with this pattern. If you wish to reduce the time, set the timer to 14:59 and the counter then begins at 00:00 again, or press button C: this completely deletes the working time and feeding times.
2. Setting the feeding time(s): by pressing button , you can move the segment that appears to the time when you wish to feed the animals; confirm this time by pressing button . You can set as many different time segments as you wish. If you wish to delete a time, activate this time and delete it by pressing button .
3. Setting the current time: set the hour by pressing button  and the minutes by pressing button .
4. Only use 4 AA alkaline batteries from well-known brand companies. A necessary battery change will be shown in the display.
5. Test: The working time for the motor is set at the factory at 20 seconds and the feeding times at 8 a.m., midday and 4 p.m. Set the current time to 07:59. When the clock reaches 08:00, the motor has to function for 20 seconds **at this time**. Now add approx. 10 cm of feed and repeat the test. The motor has to discharge feed for 20 seconds. Using this amount, you can calculate the time needed for the correct amount of feed. Then reset the current time and the machine is ready for use.

Info: The amount of feed ejected is heavily dependent on the feed used. The fill level of the feeder and the battery level also have a certain influence on the amount of feed ejected.

You can test the ejected quantity in advance by bridging (connecting) the two contacts (on the clock) of the **blue** and **white** cable with a metal object. The motor runs without the influence of the timer. Stop the time after which the appropriate quantity has been ejected and set this in the clock as the working time.

6. Check the functionality of the feed discharge from time to time by way of observation! Proper functioning cannot be checked based on the amount of feed available in the bin!

7. Cleaning: Always take out the batteries first!!! If the automatic feed is dirty, you can clean it using compressed air. To this end, the hopper can be removed by taking out the corresponding screws. Once clean, this must be reinstalled!

8. Fault: If the automatic feeder does not work, please check the following:

- a) Check the timer for the correct current time, the working time for the motor (button 71) and the feeding times (lines).
- b) Check the 4 batteries at the contact points (+) (red cable) and (-) (blue cable), the plug contacts on the timer by using a torch light bulb or a voltmeter (min. 5V, max. 6.5V).
- c) Check the motor by bridging the two contacts on the right of the timer (earth) (white cable) and (-) (blue cable) with a screwdriver. Do not bridge any other contacts, otherwise you will cause a fault! If the motor operates, the timer is faulty. If the motor does not operate, the batteries, the cover of the timer-case and the funnel should be removed. You can determine whether there is a mechanical blockage in the motor by turning the fan wheel clockwise. Check with batteries again. Bridge the contacts once again (earth) (white cable) and (-) (blue cable). Beware – there is a risk of injuring yourself!
- d) **** Make sure to check whether the timer is in the correct working mode! There must be a "S" permanently displayed below the minutes digits.**

If not, go into the programming mode with the key , and then press the two buttons  +  at the same time for about 3 seconds.

If the motor is defective, we can send a replacement motor at short notice. The motor is relatively easy to replace by turning the impeller counter-clockwise to unscrew it. Now you may remove the 2 fastening screws of the motor and remove the motor with cable and outer hopper. After that, the new motor can be mounted analogously, the outer hopper shall be locked in position and the motor cable connected to the pin connector of the preselector and the impeller screwed back on. Then place the inner hopper on the cleaned plastic ring and lock in place by using 2 screws.

Should the timer or the electronics be defective, we can send a spare timer or a circuit board with timer, which is also relatively simple to replace using 2 fastening screws. The defective timer or circuit board with timer must be sent back to us.

Details:

Feed quantity: FA2-10: 10 litres

Feeding time: 1 second to 14 minutes and 59 seconds

Feed: Dry food, grains, pellets, max. diameter 10 mm. **No wet food, no flour! No foreign objects, such as threads, twigs and the like!**

Pellets must be 'rounded', not angular!

Automatic feeder: Illustration of the settings (described settings are the same for FA1 & FA2)

	picture	description
1. Delivery status / Inserting batteries		batteries: 2x Mignon AA are already inserted in the battery holder at delivery. So that the engine can be operated, complete these with the 2 batteries supplied! (Turn the metal bracket carefully to the side, remove the battery holder, insert the batteries, fix the battery holder again with metal brackets) Colour markings: Cable > Marking of connection pins on clock same Standard settings *: Working time (of Motor): 5 sek. Working time points: 08:00, 12:00, 16:00 Time of day: current Central European Time * set at the factory
! Note: Please make sure that the clock is in the correct mode! An "S" must be permanently displayed below the minutes. If not, enter the programming mode and then press the two  +  buttons simultaneously for at least 6 seconds. This switches the mode.		
2. Activating the setting mode		Press this key to make settings! The programming mode is exited after 20s without pressing a key A "P" appears below the hour display. Settings are only possible if a P is present! Deleting settings is also possible! See below! When settings are finished > press  again > P disappears > normal function restored
3. Deleting settings		With activated P: All settings are deleted (working time duration, operating points). The current time is retained!
4. Setting Working time duration (feed amount)		With activated P: Press the button  to set the working time of the motor. Press the button for one second each time, as often as necessary or until the desired duration of the working time of the motor is set (time of turning the feed transport disc). Confirm with the button .
5. Setting the working time points (feeding time)		With activated P: The working times are the times at which the feed transport disc rotates for the set duration of the working time. Press . The small segment next to (inside) the circle of numbers (hours, ¼ hour segments) moves clockwise. Press repeatedly until the cursor is placed under the desired working time point. Press  to confirm this point in time. Proceed in this way until all the desired working points have been set. To delete a time, move the segment to this time and delete it again with .
6. Setting the current time		With activated P: You set the hour with . Press the button repeatedly or until the current hour is set. Set the minutes with . Press the button repeatedly or until the current minute is set.
9. Battery replacement		Change batteries when the battery symbol with a cross appears in the display ! - Turn the two metal bracket carefully to the side - Remove the battery holder, remove the empty batteries and insert new ones (please replace completely and pay attention to correct polarity!) - Replace the battery holder and carefully turn back the metal bracket Notes: - always replace all 4 batteries for correct operation - the blue plastic strip serves to press the batteries to the battery holder lock, and should be inserted again after exchange - The timer loses its settings after approx. 5 minutes (buffer memory used up) without inserted batteries.