

## Linn feeder user manual



### **IMPORTANT!**

Always load food into the hopper loosely – never compress it. This feeder was made for feeding fish. Use for any other purpose will invalidate the warranty.

### **Electrical connection**

It is important that the electrical installation is checked professionally beforehand, to ensure that the necessary safety protection is in place. A residual current circuit breaker with a rated current trip-out of 30 mA is essential.

### **Maintenance**

The feeder is largely maintenance-free. It is only necessary to clean the feeder.  
Attention – before any maintenance, disconnect from the mains supply!

\* Alterations or modifications to this equipment, or opening of the motor is not permitted, and will invalidate the warranty. The Linn company would like to point out that they cannot be held responsible for damages caused by their equipment, if these instructions are not followed and complied with, according to product liability law.

After you have made the necessary adjustments, plug the timer into the socket (230v) and then the feeder into the timer, and *commence automatic feeding*. This feeder allows you to feed your fish automatically as and when you want! The feed is dispensed from the feed hopper exactly in the amount you want with the help of a small geared motor and portioning fingers. The adjustment of the feeding frequency and feeding duration is easy with the enclosed digital timer. Please note the following points.

The dispensing mechanism of the feeder is completely self-contained in the hopper. Please, suspend the feeder over the water surface (pond or tank).

Ensure that there is enough space between the water surface and the bottom of the feeder so that the feeding fish do not splash it. After suspending the container you can put the chosen feed type into the container. Do not compress or pack-down the feed into the hopper.

**Attention ! Do not put hands into the feed hopper as there is a risk of injuries!**

After the hopper is filled, the feed ration and frequency must be set. The enclosed feed table will help. Work out the daily ration and decide how many feeds are required. The feed table gives precise information on the feeding rate (per minute) capability of the machine for a given food size. Therefore, you can work out the feeding minutes per day (= minutes the feeder operates) very easily and problem-free.



### Setting the feeding programme – LINN feeding clock

After securing the feeder in place plug into a 230v socket. The display will show the total feeding time per day in minutes and seconds, not the time of the day! To create a feed programme, decide the required feed quantity per day based on the fish stock.

The quantity of feed dispensed depends on the sort, size and manufacturer of the feed. It is advisable to test with the chosen feed to get the total feeding time per day to dispense the required amount. Fill the hopper with 1 kg of the chosen food. Press the buttons “+” and “-” together. The feeder will then enter test mode. Take the time, that the feeder needs for this 1kg feed. In this way you can determine how much the feeder ejects per minute and how long you have to feed per day to feed the required quantity.

Then, you can continue to programme as follows:

#### a) Set the time

Firstly, you have to set the time of the feeding clock. Press the “Set” button so often until “clock” will appear on the display. Press and hold the “Set” button for 3 seconds. When the display starts flashing, the hours can be adjusted with “+” and “-“. Further pressing of the “Set” button will allow the setting of the minutes. When the time is set, press and hold the “Set” button for 3 seconds – your settings will be saved.

#### b) Set the total feeding time per day

For adjusting the total feeding time per day, press the “Set” button until the display shows “Fd”. Then hold the button for 3 seconds until the display flashes. Now you can adjust the required minutes by repeatedly pressing the “Set” button and the minutes with “+” and “-“. To store the setting press and hold the “Set” button again for 3 seconds.

Example: The setting “10:12” means that the total feeding time is 10 minutes and 12 seconds at one day.

#### c) Set the feeding start time

It is necessary to set the required start time for feeding (in the morning) and the stop time (in the evening). To set the start time press the “Set” button until “S” is displayed. Then, press the “Set” button for 3 seconds until the display flashes. Now you can set the required time with “+” and “-“. by pressing and holding the “Set” button again for 3 seconds, the time is stored.

#### d) Set the feeding end time

For setting the stop time press the “Set” button until an “E” appears on the display. To set the stop time, continue as for setting the start time.



**e) Set the number of feeds per day**

To set the number of feeds per day, press the "Set" button until "F" is displayed. Press the "Set" button for 3 seconds and then enter the number of feeds. Store the value, as usual.

*Feeds will then be made at intervals automatically..*

**f) Automatic adjustment of feeding for growth**

If you wish feeding to be adjusted automatically for growth press the "Set" button until "P" appears on the display. Then – as usual – press and hold the "Set" button for 3 seconds until the display starts flashing. Set the growth (in %) with "+" and "-".

For example: 20 minutes feeding time daily – for growth of 1 % means: feeding for the next day 20.2 minutes, for the third day 20.4 minutes....

If you don't want to take account of growth automatically, set the value to 0.0%.

*This completes the programming, and the feeder is now set to feed as required*

The feeding clock has battery backup, so the settings will remain in the event of a power cut. However, if the feeder is disconnected from mains power for several days the settings will be lost.

**OFF – Switch off the feeder**

To switch off the feeder (e.g. if there are no fish in the tank) press the "-" button for 3 seconds. The display shows then "OFF" – no further feedings are carried out. If you want to put the feeder back into operation, simply press the "-" key. Press again for 3 seconds, the display will then show the total feeding time per day. After all settings fill the feed into the hopper – ready!