**Automatic Fish Feeder (FF-03)**

**Instruction Manual**

**Control Panel**
- 1, 2, 3, 4 (Meal Keys) – for setting the meal times
- Hr/Day – used to set the hour time and feeding days
- Min/Vol – used to set the minute time and feeding volume
- Mode – Switch/toggle between clock and schedule display modes. Also used with Start key to perform manual feeding
- Start – used with Meal Keys to turn ON or OFF the desired meal time
- Lock/SET – Used to toggle between lock and set modes
- LOW BATT – Blinks red light indicates that the batteries are running low and should be replaced

**Before operation**

**IMPORTANT**
If you are keeping fish that eat more than 0.75cc of food each time, you should remove the volume reducer before you
insert the batteries (refer to the section "Removing the Volume Reducer" for details)

1. Slide open the battery compartment.
   **IMPORTANT: Do not hold the unit by the food hopper.**
2. Insert two AA-size alkaline batteries into the battery compartment and replace the cover.
   The unit will turn ON immediately by itself and the food hopper will rotate to it's 'home position' while "12:00" will show on the top row of the LCD display.

**Operation**

1. **Setting the Reference Time**
   If the time isn't showing, press the Mode key once to display the time.
   1. Press and hold the Lock key for over 2 seconds to enter set mode.
      The top row (4 digits) are now blinking and the lock icon will now turn OFF.
   2. Press the Hr/Day key to set the present hour.
   3. Press the Min/Vol key to set the present minute.
   4. Press the Lock key once to save and complete your settings...

   ![Reference & Meal Times display with timer icon, lock icon, and meal status indicator]

   ...otherwise continue with your other settings.
   A beep will sound to indicate that your settings have been completed.

2. **Setting the (Feeding) Schedule's Duration and Portion Size**
   If the feeding schedule isn't showing, press the Mode key once to display the schedule.
   1) Skip this step if the lock icon is OFF otherwise press and hold the Lock key for over 2 seconds to enter set mode.
      The top row will now blink.
   2) Press the Hr/Day key to set the number of days you want the schedule to run.
End-Of-Schedule Alarm

- A solid indicator means the alarm time has not been reached.
- A flashing indicator means the alarm time is near.
- No indicator means the alarm time has already passed.

To set the alarm:
1. Press the key once to lock and set new entries.
2. Press the key twice to set the alarm time.
3. Press the key three times to turn the alarm on/off.
4. Press the key four times to stop the alarm.

Setting the Time

To set the current time:
1. Press the key five times to set the current time.
2. Press the key six times to set the current time.
3. Press the key seven times to set the current time.
4. Press the key eight times to set the current time.
5. Press the key nine times to set the current time.
6. Press the key ten times to set the current time.

To stop feeding:
1. Turn the dial to turn the motor on/off.
2. Press the key to stop the motor.
3. Press the key to start the motor.
4. Press the key to lock the motor.
5. Press the key to unlock the motor.
6. Press the key to set the current time.
7. Press the key to set the current time.
8. Press the key to set the current time.
9. Press the key to set the current time.
10. Press the key to set the current time.

Note: Always check the settings before using the machine.

Preventing Overfeeding

1. If you turn the alarm off, the alarm will not sound.
2. If you turn the alarm off, the alarm will not sound.
3. If you turn the alarm off, the alarm will not sound.
4. If you turn the alarm off, the alarm will not sound.
5. If you turn the alarm off, the alarm will not sound.
6. If you turn the alarm off, the alarm will not sound.
7. If you turn the alarm off, the alarm will not sound.
8. If you turn the alarm off, the alarm will not sound.
9. If you turn the alarm off, the alarm will not sound.
10. If you turn the alarm off, the alarm will not sound.

Note: Always check the settings before using the machine.

Feeding Frequency

1. Press the key to set the feeding frequency.
2. Press the key to set the feeding frequency.
3. Press the key to set the feeding frequency.
4. Press the key to set the feeding frequency.
5. Press the key to set the feeding frequency.
6. Press the key to set the feeding frequency.
7. Press the key to set the feeding frequency.
8. Press the key to set the feeding frequency.
9. Press the key to set the feeding frequency.
10. Press the key to set the feeding frequency.
Installing the unit

1. Attaching the Mounting Clamps
   - Slide the front mounting clamp in from the back towards the front. When it reaches the locking-stops (left picture), just push slightly harder and it will move to its final position (right picture).
   - Slide the rear mounting clamp in half way and turn the mounting base over.

Package Contents

- Your Fish Feeder comes pre-assembled with the base already attached to the bottom of the unit. The accessories are placed in the food-hopper while the 2 pieces of foam padding are in the poly-bag that hold the unit.

Pic. 1 - Mounting parts, shows the items included for installing it onto a fish tank.

General Notes

- The clock will only display in 24 hour format (military time).
- The schedule duration can be changed at any time but the previous schedule will be replaced and start from the 1st day.
- Once the schedule has started, the DAYS displayed will be deducted by 1 every day at 0:00(midnight) until the end is reached. It will then reset itself back to the number of DAYS you had originally entered.
- a) The clock will only display in 24 hour format (military time).
- b) The schedule duration can be changed at any time but the previous schedule will be replaced and start from the 1st day.
- c) If the LOW BATT indicator (red light) blinks, the batteries are low and must be replaced as soon as possible.
- d) Once the schedule has started, the DAYS displayed will be deducted by 1 every day at 0:00(midnight) until the end is reached. It will then reset itself back to the number of DAYS you had originally entered.
- e) The clock will only display in 24 hour format (military time).
4. Re-install the food hopper back onto the feeder by aligning the hopper's axis.

3. Turn the unit upside-down and you will see the all hose nozzles (right picture).

To keep the food-hopper from dropping together while in the hopper, a hose from the unit, you can do as illustrated in the right picture.

Connecting Air Hose to the Unit

1. Carefully press the base into the unit securely.

2. Carefully press the base into the unit securely.

Removing the Volume Reducer

1. Pull out the hopper.

2. Holding the unit firmly with one hand and the food hopper with the other, gently pull off the hopper.

Volume Reducer