

## Auto koi feeder - Pond fish feeder Outdoor feeder

**MODEL NO.**

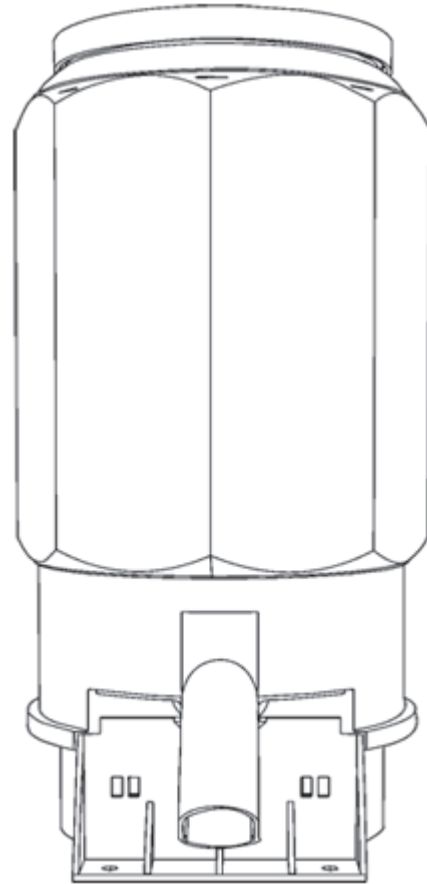
2000PFS

2000PFM

2000PFL

Model and serial number may be found at the rear of the feeder base.

Please record both model and serial number in a safe place for future use.



Where Purchased : \_\_\_\_\_

Date purchased : Month \_\_\_\_\_

: Day \_\_\_\_\_

: Year \_\_\_\_\_

Model No. : \_\_\_\_\_

Serial # : \_\_\_\_\_

This Owner's Manual contains information for all models.

Read and keep this manual for future reference.

This manual contains important information on Safety, Assembly, Operation and Maintenance.

## **Important: This is Owner's Manual for Auto koi feeder - Pond Fish feeder - Outdoor feeder.**

### **Please do not discard this.**

Congratulations on purchasing the "Auto koi feeder - Pond fish feeder - Outdoor feeder". You will now have more time on your hands. Before you can use this appliance you need to follow some simple steps to assemble the Auto koi feeder Pond fish feeder - Outdoor feeder and program the digital timer.



### **DO NOT RETURN THE PRODUCT TO THE STORE**

**Call 1-888 ERGOSYS (1-888-374-6797)**

**If there are missing parts. Check all packing for missing parts prior to discarding the package.**

### **Before you call us, please have the following information ready.**

1. Details of purchase like invoice number (found on the bill or invoice)
2. Name and model number of the product (found on the manual and on the carton.)
3. Actual problem after following the instructions.
4. List of missing parts.

## **LIMITED WARRANTY**

Please read this warranty carefully. Ergo Systems Inc. will warranty this product to be free from manufacturing defects, including workmanship, when assembled and operated according to operating instructions enclosed with this product, for a period of ninety (90) days from the date of original purchase. This warranty is non-transferable and applies solely to the original purchaser and does not extend to subsequent owners of this product. Please register your product at <http://www.autopetfeeder.com>.

1. Repair service for a period of ninety (90) days from the date of original purchase at no charge for parts and labor with proof of purchase.
2. Replacement of defective parts for a period of 12 months from the date of original purchase with proof of purchase. (Labor not included after initial ninety (90) days.)
3. This warranty does not cover cost incurred in the shipping of the product to and from Ergo Systems Inc. for service. Shipping to Ergo Systems Inc. must be prepaid and insured by UPS or other parcel delivery services.

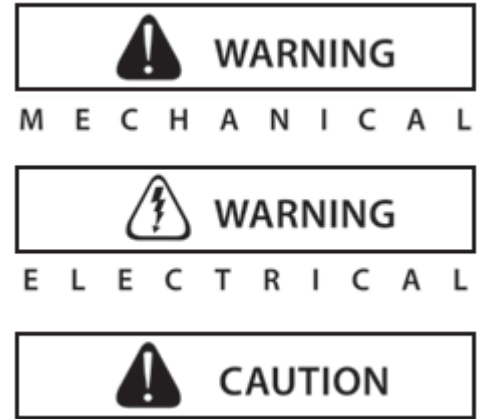
### **THIS WARRANTY IS VOID IF THE PRODUCT IS:**

1. Damaged due to negligence, abuse, misuse, accident, modification, tampering, alteration, faulty installation and / or acts of God.
2. Used for commercial applications or rentals.
3. Modified or repaired by anyone other than Ergo Systems Inc.

The extent of Ergo Systems Inc. under this limited warranty is the repair or replacement of the product at the sole discretion of Ergo Systems Inc. In no event shall Ergo Systems Inc.'s liability exceed the purchase price paid by the purchaser. Under no circumstances shall Ergo Systems Inc. be liable for any loss, direct, indirect, incidental, foreseen, unforeseen, special or consequential damage arising out of or in connection with the use of this product. This warranty is valid only in the United States of America and Canada.

## Reviewing these important safety alert symbols

When you see this Safety Symbol on the following pages, it will alert you to the possibility of damage to your Pet Feeder, if you do not comply with the corresponding instructions. The hazard may come from something mechanical or electrical. Read the instructions carefully.



## Tools required



Carpenter's Level



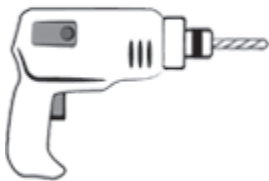
Tape Measure



Pencil



1/4" and 9/32"  
Drill Bits



Drill



Pliers



Wire Cutter



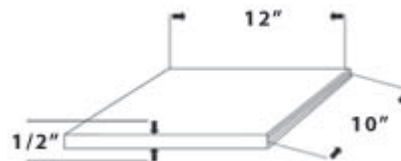
Claw Hammer



SAE / METRIC Sockets



Screwdriver



Customer Supplied Plywood

## Use of improper tools may cause damage to the feeder.

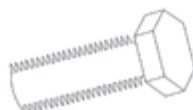
The following parts are provided in the Auto koi feeder - Pond fish feeder - Outdoor feeder Box.

Tee Nuts



Qty 5

Bolts 1/2 inch long



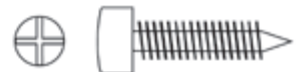
Qty 5

Washers



Qty 5

Screws



Qty 3

# Wiring Diagram

## Electrical hazards:

- 1. Use GFI socket inside home to connect the feeder.
- 2. While installing the feeder make sure the electrical connection to the feeder is disconnected.
- 3. Plug in the timer unit and transformer inside the house or garage. The timer and transformer is not waterproof.
- 4. Do not use extension cords.
- 5. Use a qualified certified electrician to do the wiring.

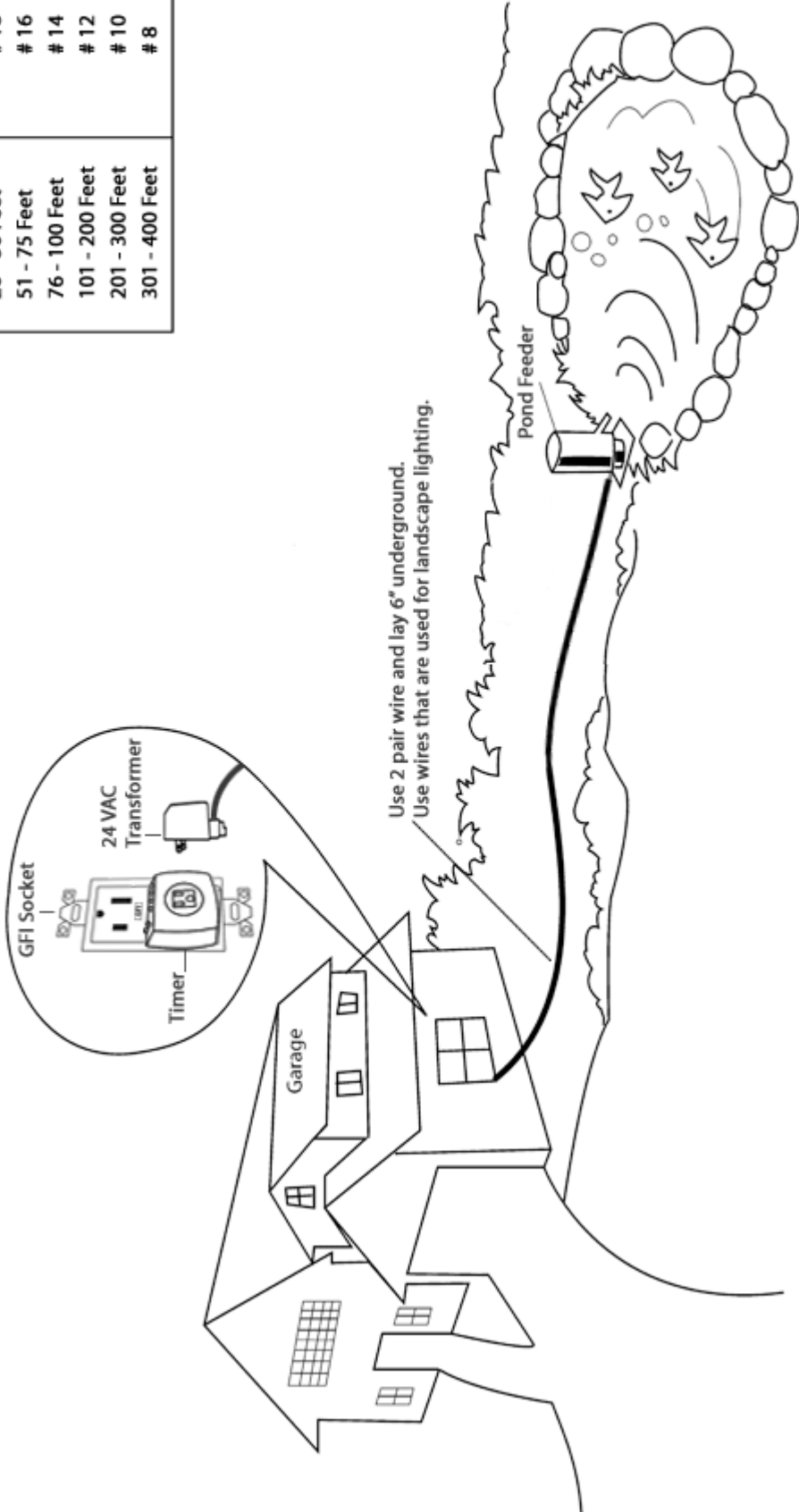
**WARNING**

E L E C T R I C A L

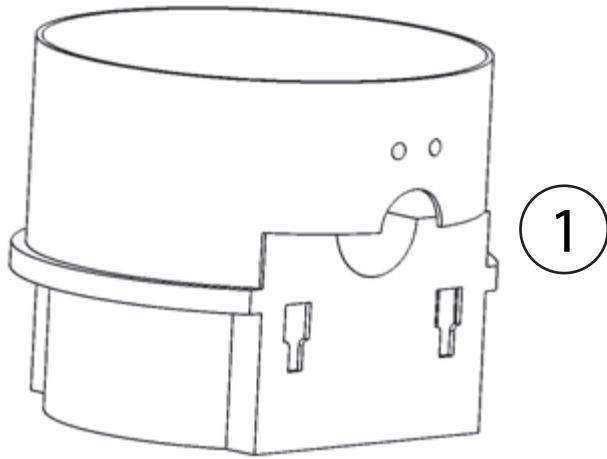
**CAUTION**

Wire Size Chart

Distance From Timer	Wire Gauge Size
0 - 25 Feet	# 20
26 - 50 Feet	# 18
51 - 75 Feet	# 16
76 - 100 Feet	# 14
101 - 200 Feet	# 12
201 - 300 Feet	# 10
301 - 400 Feet	# 8



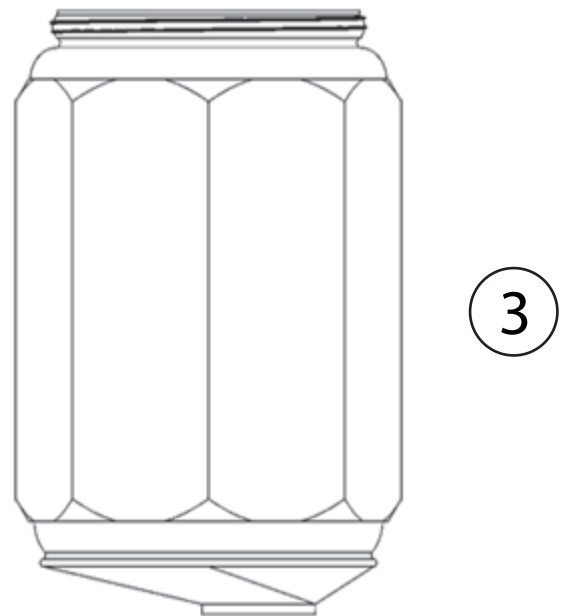
## List of parts in the Auto koi feeder - Pond fish feeder - Outdoor feeder Box



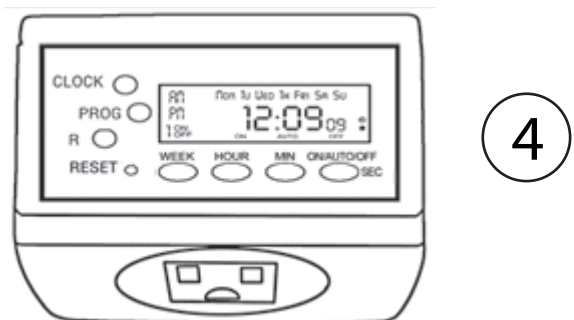
Pet Feeder Base



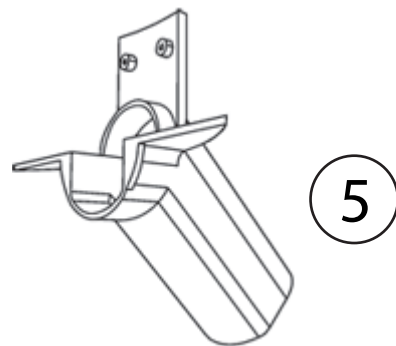
Food Storage Container Cover



Food Storage Container



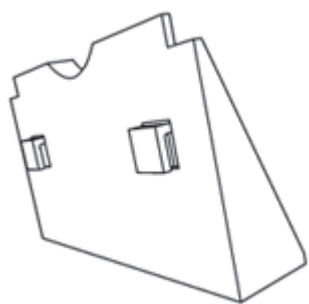
Digital Timer



Flow pipe

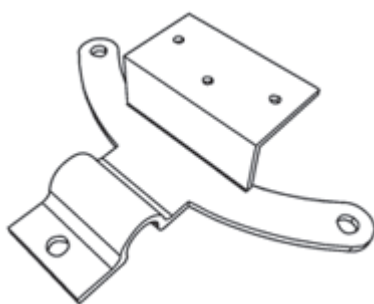
### Components

1. Pet Feeder base
2. Food Storage Container Cover
3. Food Storage Container
4. Digital Timer
5. Flow Pipe
6. F-Clamp
7. R-Clamp
8. Studs / Screws / Nuts in a bag
9. Waterproof feeder cover



6

F-Clamp



7

R-Clamp



8

Screw Bag



Cap



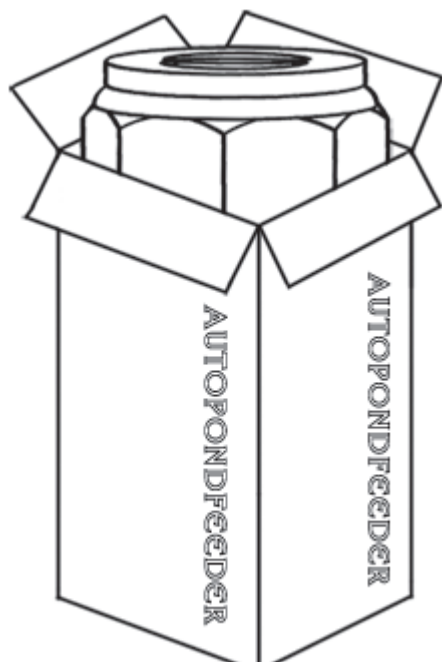
9

Waterproof  
cover

## Assembly

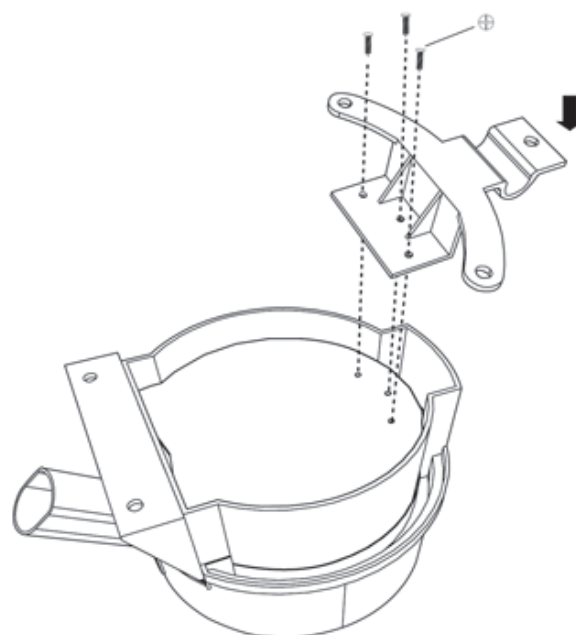
### Step 1

- Take out the Auto koi feeder - Pond fish feeder- Outdoor feeder from the box.

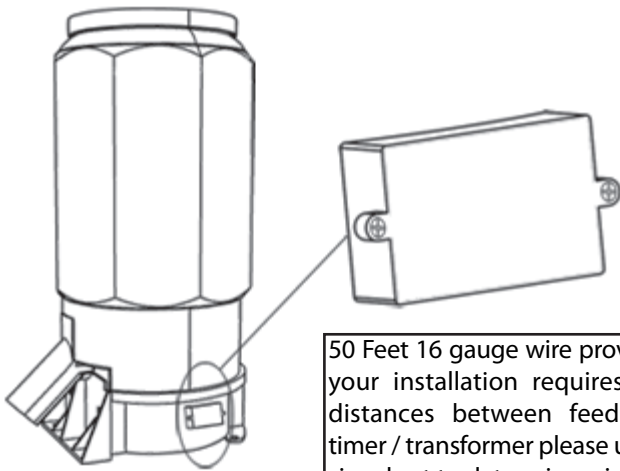


### Step 2

- The Auto koi feeder - Pond fish feeder - Outdoor feeder is inverted upside down and the R-Clamp is screwed to the base using the three screws provided.



### Step 3



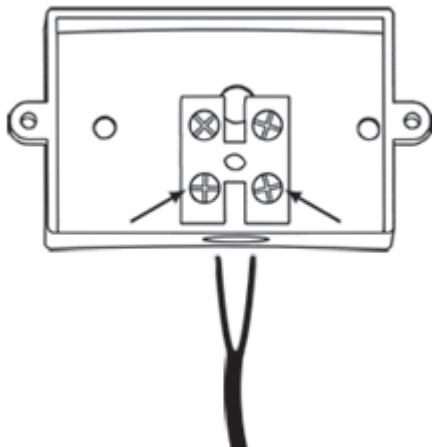
### Step 3a

- Loosen the two screws (anti-clockwise direction) and remove the junction box cover.



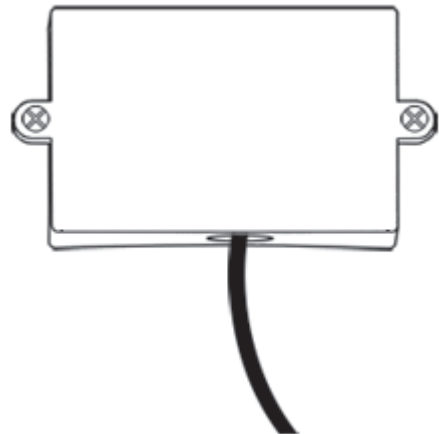
### Step 3b

- Loosen the two screws and insert the wire into the connector and tighten the screws.



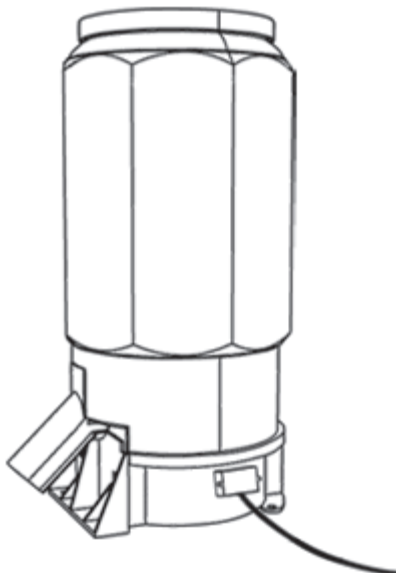
### Step 3c

- Replace the cover and the screws.



### Step 3d

- Finally the Auto koi feeder - Pond fish feeder - Outdoor feeder is connected with the Timer.



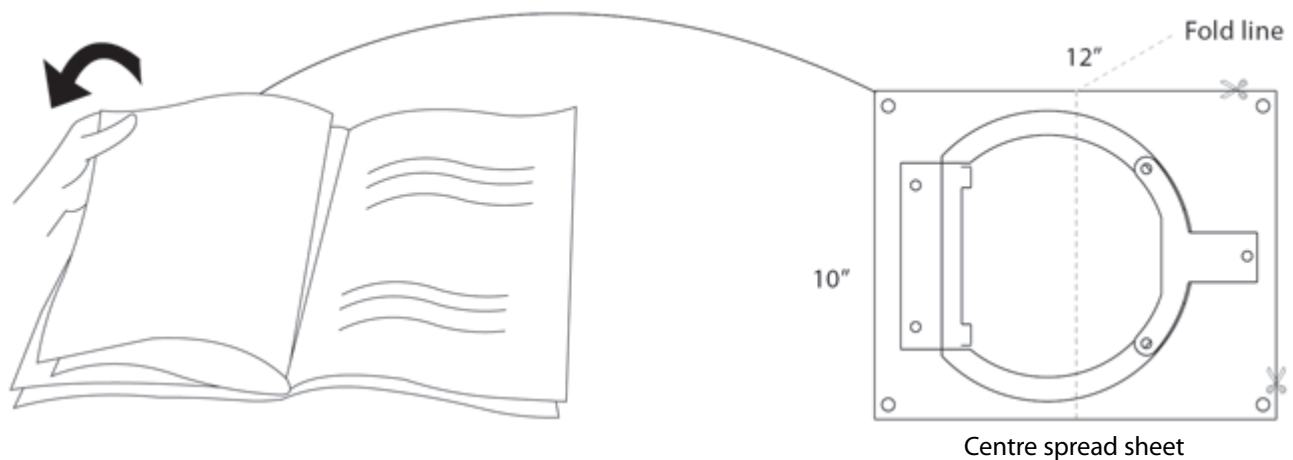
## WIRE SIZE CHART

Distance from Timer	Wire Gauge Size
0 - 25 Feet	# 20
26 - 50 Feet	# 18
51 - 75 Feet	# 16
76 - 100 Feet	# 14
101 - 200 Feet	# 12
201 - 300 Feet	# 10
301 - 400 Feet	# 8

## Installing the Auto koi feeder - Pond fish feeder - Outdoor feeder

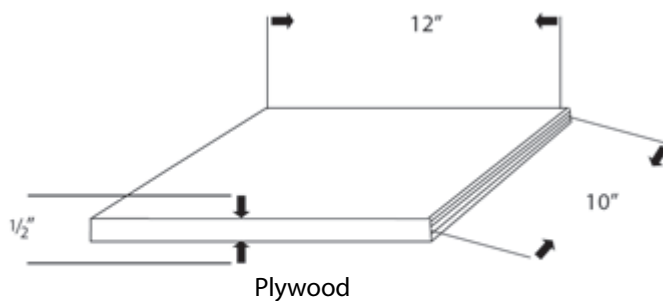
### Step 4

- Remove the centre spread from the Owner's Manual, which has the drawing of the base of the Auto koi feeder - Pond fish feeder Outdoor feeder. This drawing is to scale. Cut along dotted lines.

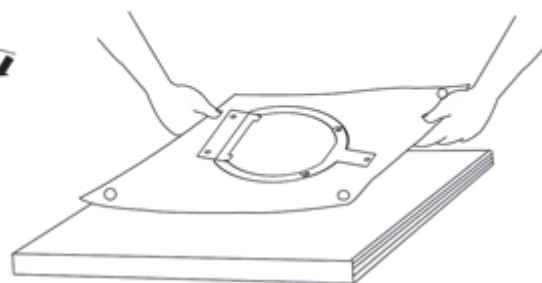


### Step 5

- Purchase a 10" by 12" sheet of 1/2" plywood from the hardware store.

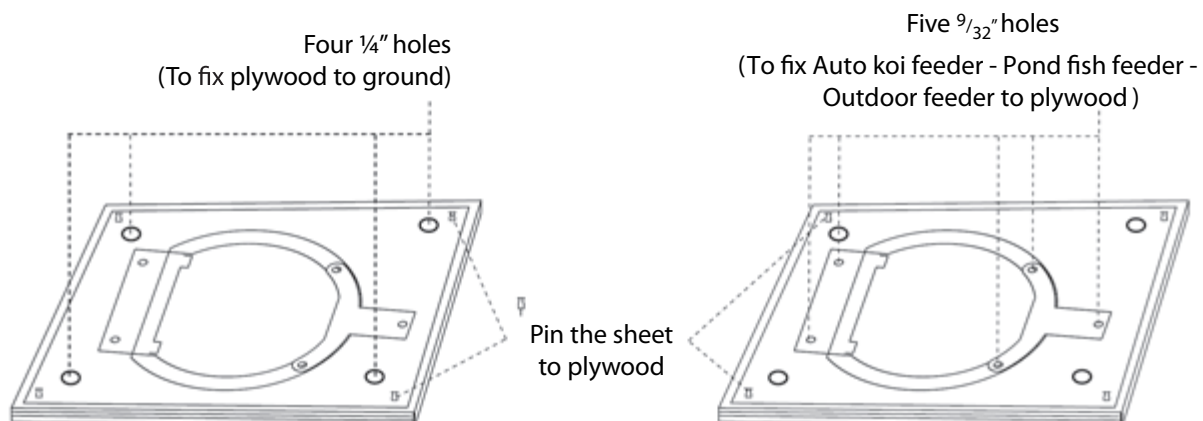


- Pin the center spread onto the 1/2" plywood sheet.



### Step 6

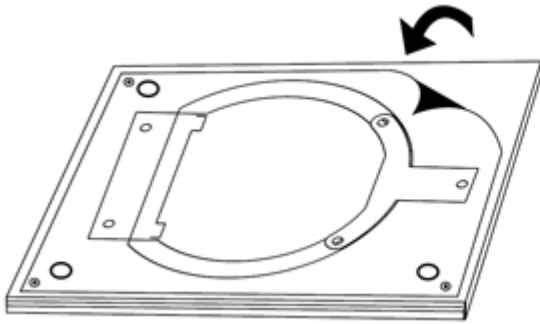
- Drill four 1/4" holes on circle marks on the corners of the sheet and five 9/32" holes on the circle marks of the base.





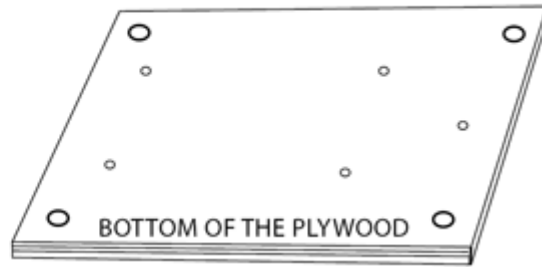
### Step 7

- ❑ Remove the pins and the centre spread.



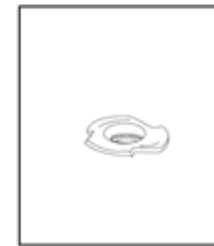
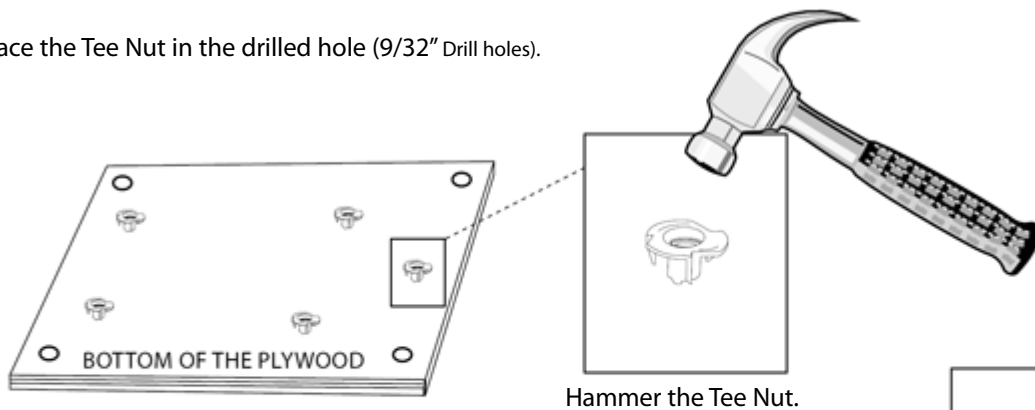
### Step 8

- ❑ Then flip the plywood upside down.



### Step 9

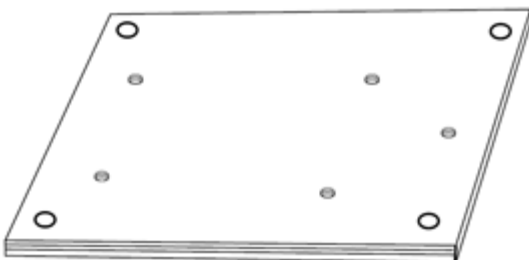
- ❑ Place the Tee Nut in the drilled hole (9/32" Drill holes).



The Tee Nut is placed square and flushed on the bottom side of the plywood.

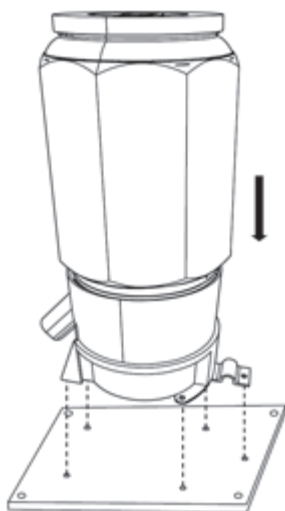
### Step 10

- ❑ Flip to the top of the plywood.  
The top side of the plywood now looks as shown below.

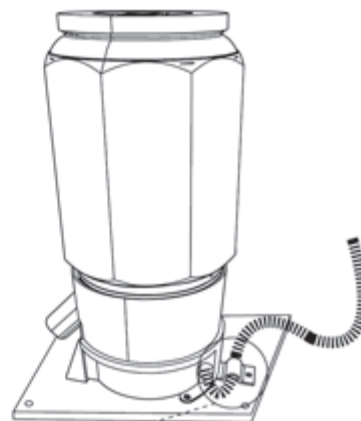


## Step 11

- Place the Auto koi feeder - Pond fish feeder - Outdoor feeder on the plywood sheet and align to the Tee Nut treads.



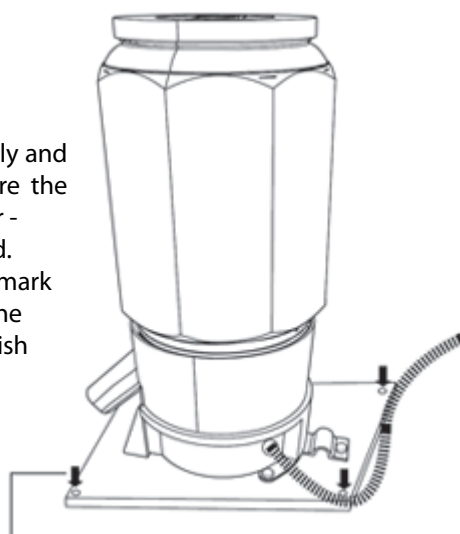
- Place the washer on the hole. Place the bolt and thread it into the Tee Nut and tighten.



- The bolt after installation. Fix all the 5 bolts in the same way.

## Step 12

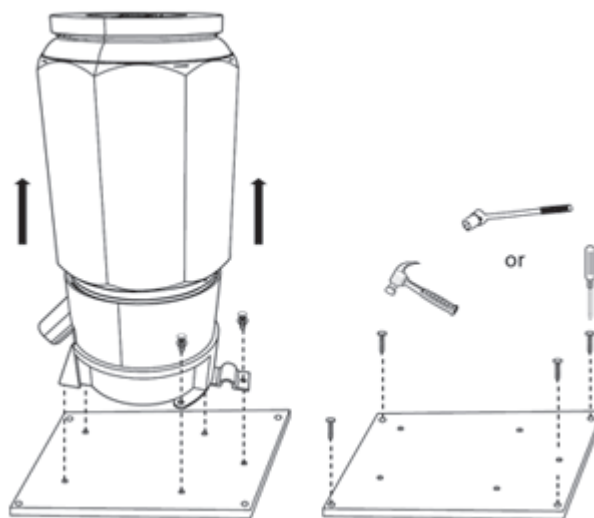
- Pick up the entire assembly carefully and place it next to the location where the Auto koi feeder - Pond fish feeder - Outdoor feeder is to be installed. Adjust the position as needed and mark the location of the four holes on the plywood to the surface that you wish to mount.



Mark location

## Step 13

- Remove the 5 bolts (along with washers) and the feeder from the pressure treated plywood sheet and mount the plywood sheet to the chosen spot with screws or concrete nails depending on the mounting surface. (screws / nails are customer provided)
- Make sure that the plywood sheet is mounted level to the ground. Use a level to check this.



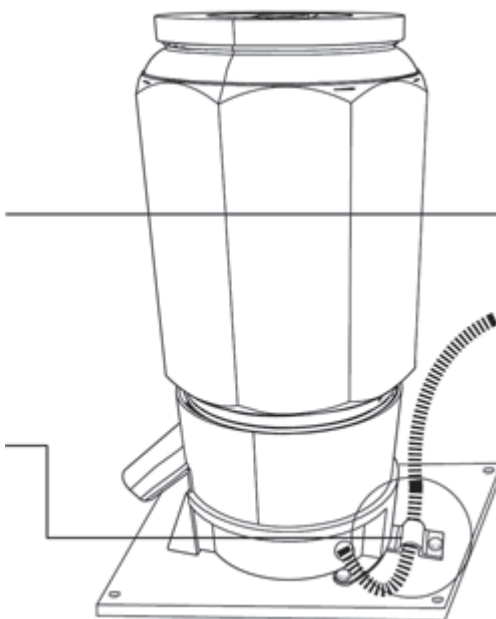
Mount to ground

## Step 14

- ❑ Place the Feeder on the plywood making sure that the cable is underneath the R-Clamp and fasten it to the plywood sheet using the 5 bolts. Repeat step no: 18

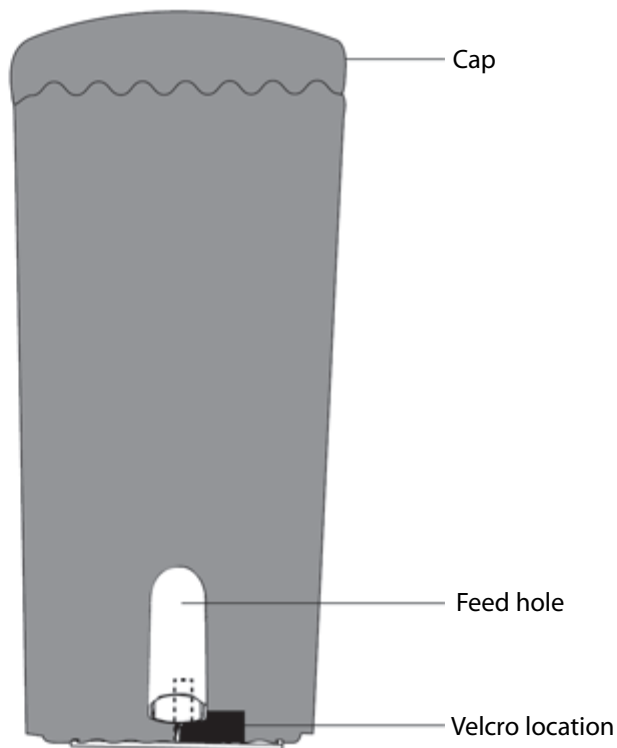
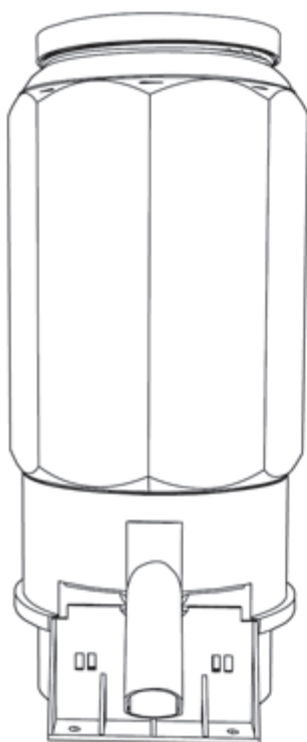
Run wire underground and connect to transformer.  
Ref. to page # 4.

Cable underneath the R-Clamp



## Step 15

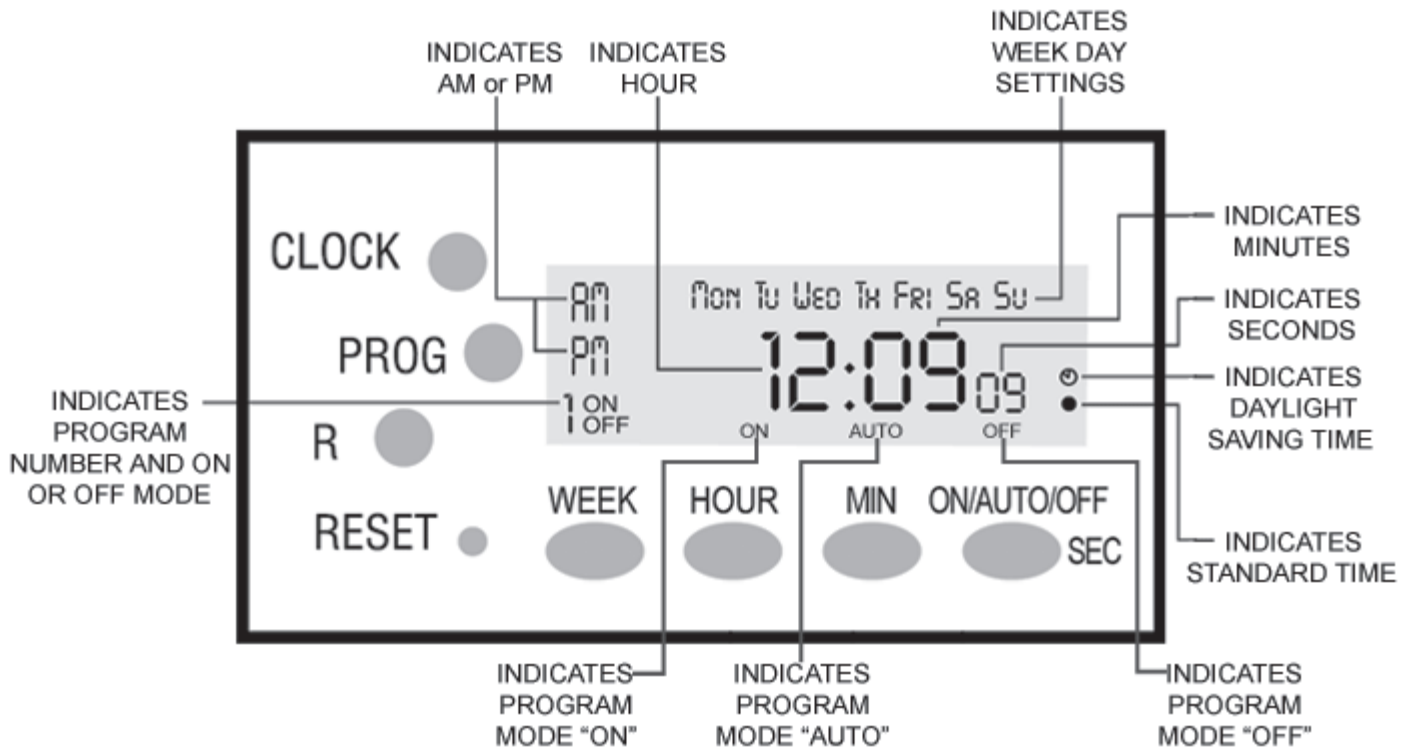
- ❑ The waterproof body cover is slid from the top of the Feeder so as to cover the Feeder completely. The cover is fastened in position using the Velcro straps provided. The waterproof cap is then used to cover the top of the Feeder.



- ❑ The assembly of Auto koi feeder - Pond fish feeder - Outdoor feeder is now complete.

**The installation of Auto koi feeder - Pond fish feeder - Outdoor feeder is complete.**

# TIMER PROGRAMMING



This is the digital timer unit for the Auto koi feeder - Pond fish feeder - Outdoor feeder. The timer switches the Auto koi feeder - Pond fish feeder - Outdoor feeder **ON** and **OFF** based on the timer settings.

**First time use :** Connect your digital timer unit into the wall socket. This will charge the internal battery if you are using the timer for the first time. Reset it by pressing the Master Reset button using a small pin such as a paperclip. This will reset the timer. All other programming functions can perform without plugging the timer in to the wall socket.

## NOTE:

The timer may have to be charged for 10 minutes prior to use if the timer display is blank. Press the Master Reset button after 5 minutes while the timer is charging.

## 2.1 Setting the Current Time

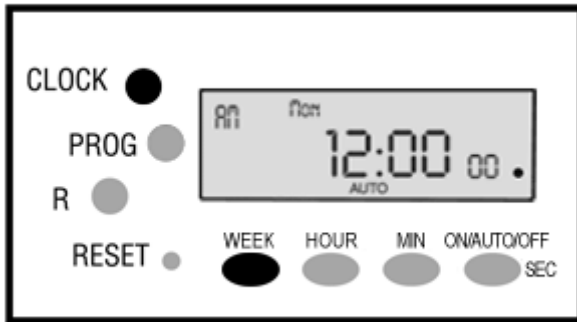


Fig 1

- Press and hold the **CLOCK** button. While holding the **CLOCK** button press the **WEEK** button to set the day of the week.

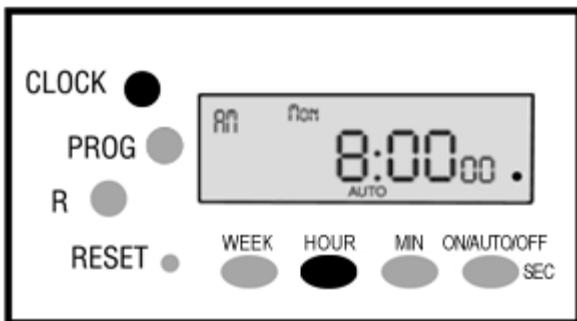


Fig 2

- Press and hold the **CLOCK** button. Now press the **HOUR** button to set the hour.

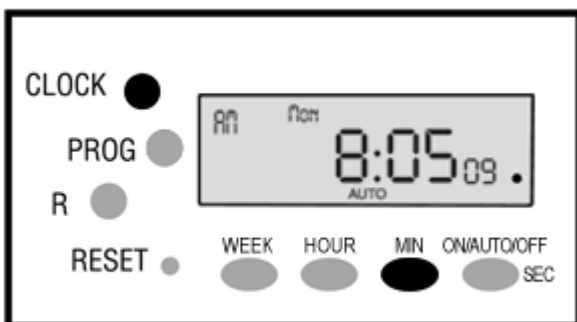


Fig 3

- Press and hold the **CLOCK** button. Press the **MINUTE** button to set the minutes.

## 2.2.1 Day Light Saving Time

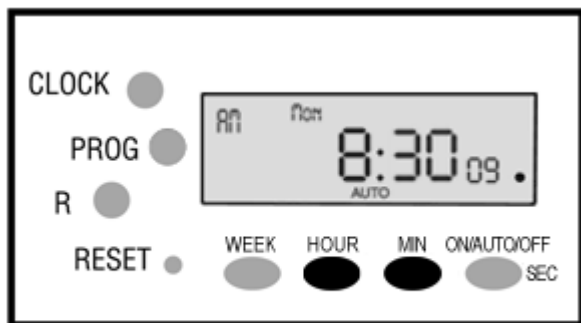


Fig 4

- ❑ To set day light saving time, press the **HOUR** and the **MINUTE** button simultaneously. This will make the clock to run an hour ahead.

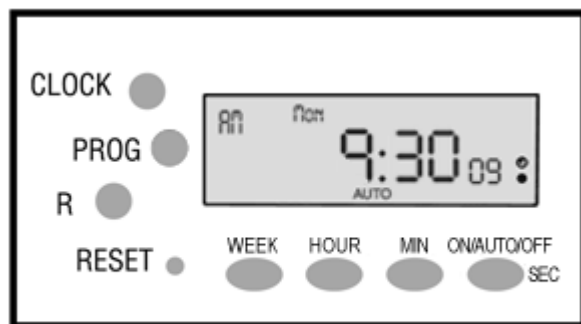
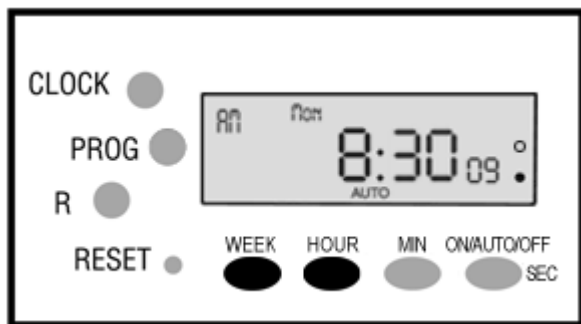


Fig 5

- ❑ This introduces a ☀ symbol indicating a small clock above the black dot on the display. This is possible only in clock mode. This indicates that the timer is set in day light saving Mode.

## 2.2.2 Random Function: DO NOT USE



- ❑ By Pressing the **WEEK** and **HOUR** at the same time you will activate the random function. ☀ Symbol will be visible on the display. DO NOT USE THIS FUNCTION.

## 2.3 Understanding the Timer

### 2.3.1 Number of meal times per day

The Autopondfeeder is capable of feeding your pet 8 times per day. You can set the **ON** time and the **OFF** time for the feeder 8 times per day. This will give you control over the amount of food you feed your pet and also the time you pet is fed. By pressing **PROG** button you will enter into programming mode. The display will now show **1<sup>ON</sup>**. This means program #1 and **ON** time (time when the feeder turns **ON**) By pressing the **PROG** button again the display will change to **1<sup>OFF</sup>**. This means program #1 and **OFF** time (time when the feeder turns OFF) The time between **ON** and **OFF** determines the quantity of food fed to the pet by the autopetfeeder. By pressing **PROG** button repeatedly we can program up to 8 times i.e **8<sup>ON</sup>** and **8<sup>OFF</sup>**.

### 2.3.2 Setting ON and OFF Time

- ❑ The Autopondfeeder is capable of feeding different sizes and shapes of pet food. Hence, the quantity of food dispensed per minute changes. It is advised that you measure the quantity of food that your pets consume for every schedule by testing the feeder on the **ON** mode and pre-determining the amount of time required to feed your pet.

#### ON/AUTO/OFF MODE

- ❑ Now let us understand the different modes of operation in the timer.

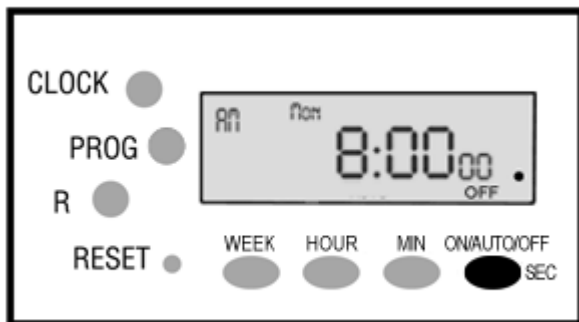


Fig 6

- ❑ Press **ON/AUTO/OFF** button to toggle between **ON/AUTO/OFF** mode. The feeder must always be in **OFF** mode prior to setting the auto mode. The display will show the mode in which the timer is set.

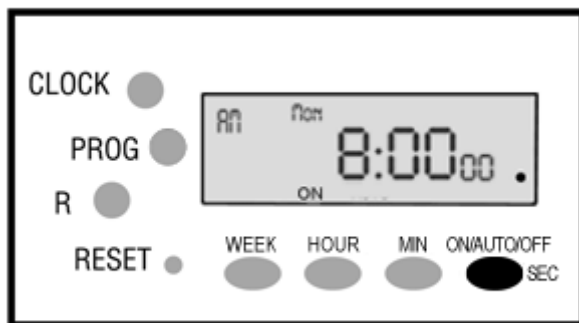


Fig 7

- ❑ In **ON** mode the timer is cutoff and the feeder dispenses food continuously. So if you feel that you need to feed your pet a little more than the schedule time just select this mode. This mode is also used to prefill the auger on first time use and measure the quantity of food you schedule every meal time. This is more like a manual feed.

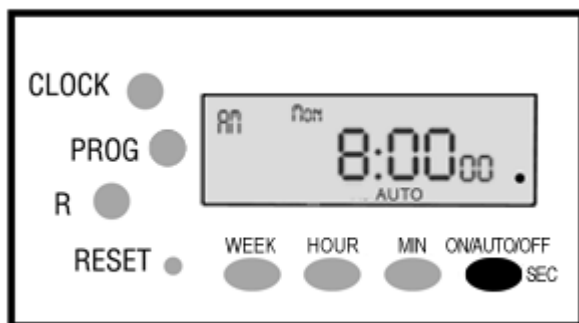


Fig 8

- ❑ In **AUTO** mode the feeder works as per the program schedule. In order for **AUTO** mode to work properly you must cycle from **OFF** mode to **AUTO** mode. Do not cycle from **ON** mode to **AUTO** mode as the feeder will feed continuously.

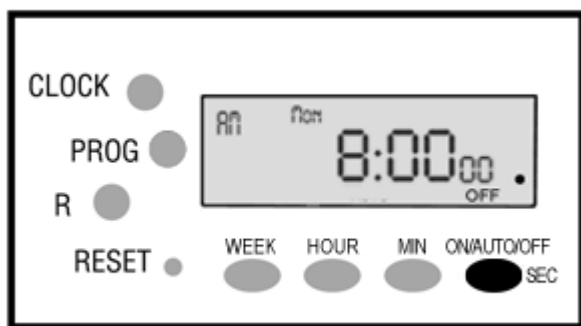


Fig 9

- ❑ In **OFF** mode, the feeder does not work. So if you choose to feed your pet manually use this function to turn off the feeder.

<span style="font-size: 1.2em; font-weight: bold; padding-left: 10px;">NOTE</span>
<p>To put the timer in <b>AUTO</b> mode always cycle from <b>OFF</b> mode to <b>AUTO</b> mode. Do not cycle from <b>ON</b> mode to <b>AUTO</b> mode as the feeder will feed continuously.</p>

### 2.3.3 Setting days of week to feed you pet

- ❑ The digital timer has 9 different **WEEK** options in which we can set schedules. Let us now see how to use these 9 different options.

The following 9 options are available.

- **All Days (Mon, Tue, Wed, Thu, Fri, Sat and Sun)**
- **Each Day (Mon), (Tue), (Wed), (Thu), (Fri), (Sat) and (Sun)**
- **Week Days (Mon, Tue, Wed, Thu and Fri)**
- **Week End (Sat and Sun)**
- **Six Days (Mon, Tue, Wed, Thu, Fri and Sat)**
- **Alternate Days (Mon, Wed and Fri)**
- **Alternate Days (Tue, Thu and Sat)**
- **Three Days (Mon, Tue and Wed)**
- **Three Days (Thu, Fri and Sat)**



### 2.3.4 Setting the days of Week

- Let us now understand how to set **ON** and **OFF** time schedule for the Autopet feeder.

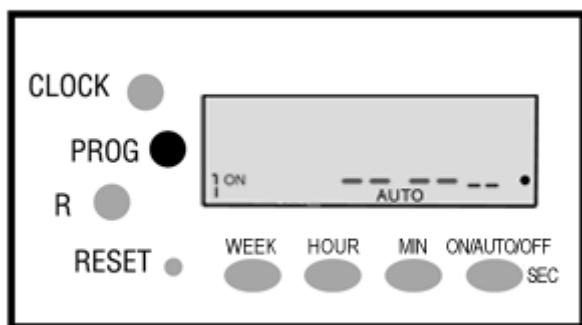


Fig 10

- Press **PROG** button to enter in to the prog mode. The display will show **1<sup>ON</sup>** which means that we are setting the 1<sup>st</sup> schedule **ON** time.

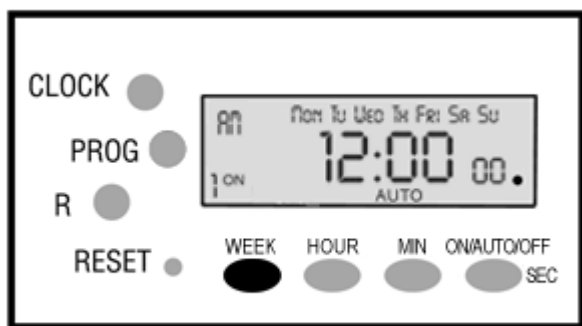


Fig 11

- Press the **WEEK** button once and the display will show all days option.

- This option will set a common schedule for the entire week and this is recommended for all pet owners unless there are special requirements.

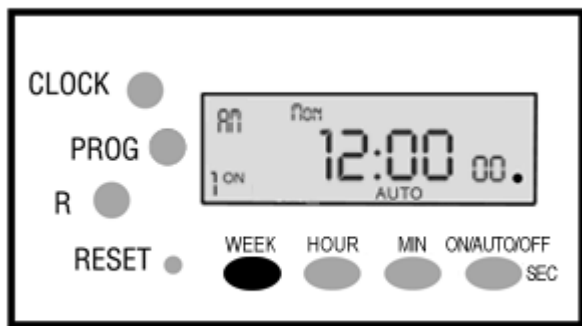


Fig 12

- Press **WEEK** button again and the display will show the each day option. This is the 2<sup>nd</sup> option, where the user can select different schedule that can be programmed for each day of week. Toggle through the days of the **WEEK** by pressing the week button.

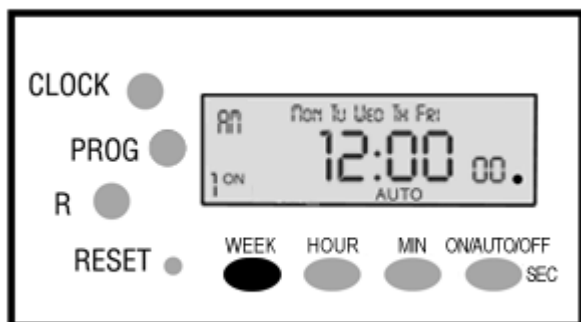


Fig 13

- Pressing **WEEK** button again will give you the week days option. This display will show Mon-Fri. The schedule programmed in this option will work on week days.

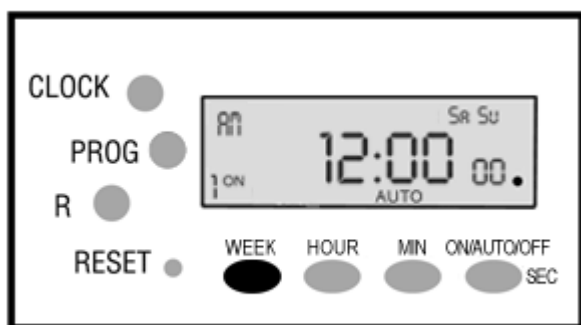


Fig 14

- Pressing **WEEK** button once again will lead to the weekend option. This display will show sat & sun. The schedule programmed in this option will work on weekends.

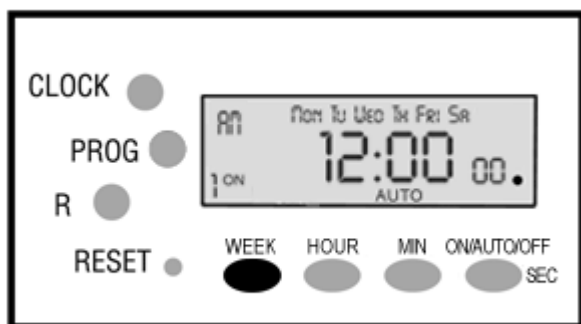


Fig 15

- Press **WEEK** button to go to the 5<sup>th</sup> option, six days. You can schedule your feeder for six days from mon - sat with this option.

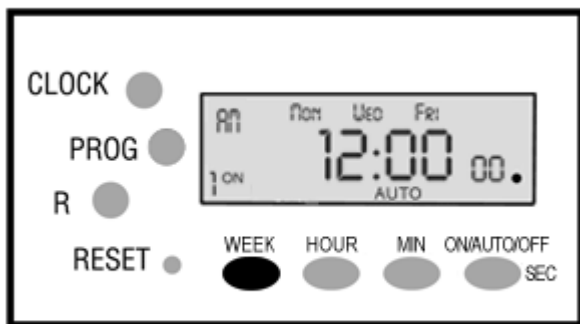


Fig 16

- Press **WEEK** button again for the alternate day option mon, wed & fri.

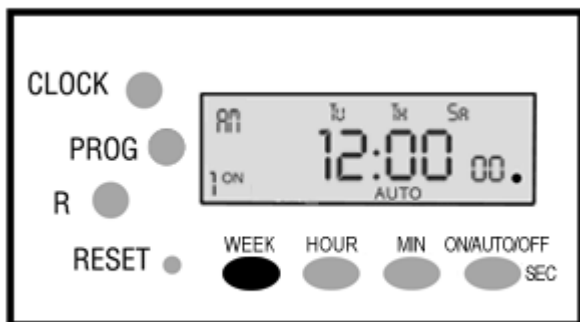


Fig 17

- Press **WEEK** button once more for the other alternate option day tue, thu & sat.

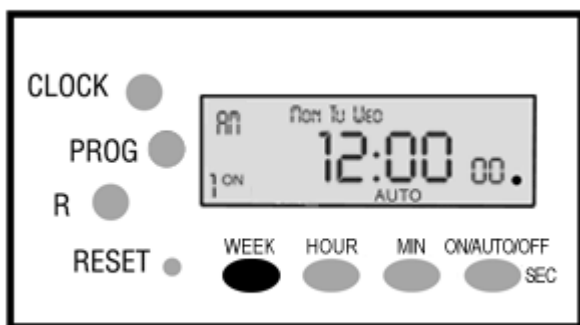


Fig 18

- Press **WEEK** button again to go to the first three days option which is to schedule for the first three days of the week such as mon, tue & wed.

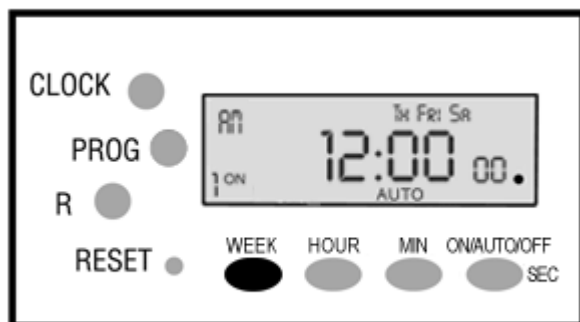


Fig 19

- Press **WEEK** button again to go to last three days option which is to schedule for next three days of the week such as thu, fri & sat.

## 2.4 Erasing all Schedules

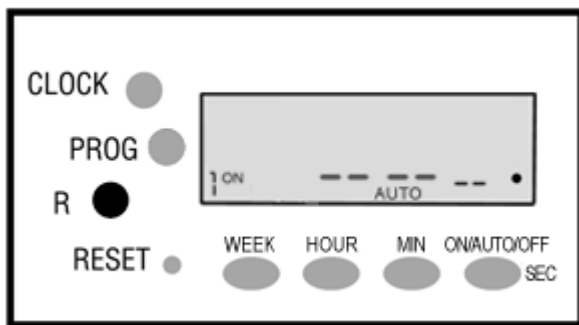


Fig 20

- Press **R** button to erase each schedules.

### **NOTE:**

If you don't press a button while in program mode you will be taken back to **CLOCK** mode.

## 2.5 Timer Programming Examples:-

- Let us set a schedule of **ON** time for 8 a.m. and **OFF** time of 8 hours, 1minute & 30seconds. After 1minute & 30seconds the feeder will turn OFF.

### 2.5.1

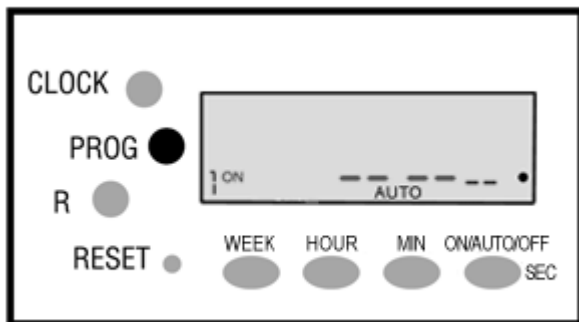


Fig 21

- Press **PROG** button to enter in to program mode. The display will show **1<sup>ON</sup>** which means that we are setting the 1<sup>st</sup> schedule **ON** time.

### 2.5.2

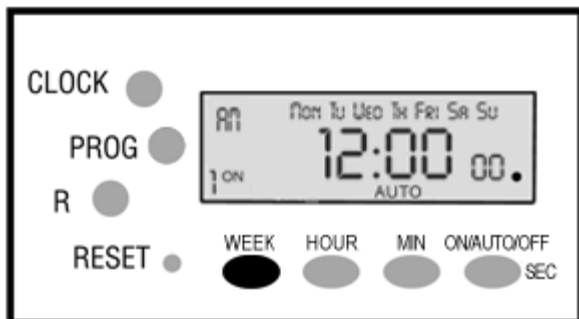


Fig 22

- Press **WEEK** button once and the display will show Mon-Sun. This is the recommended program for all days of week

### 2.5.3

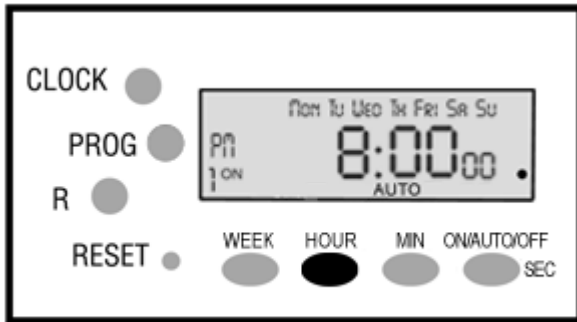


Fig 23

- Press the **HOUR** button till the display shows 8.

### 2.5.4

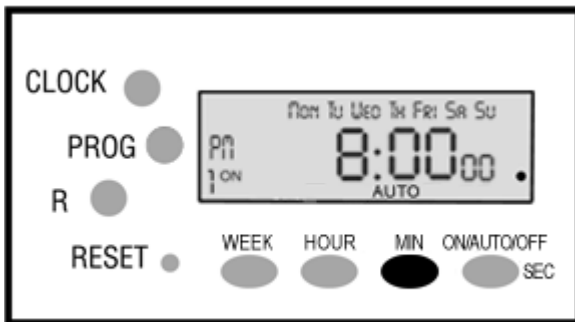


Fig 24

- Press the **MINUTE** button till the display shows 00.

### 2.5.5

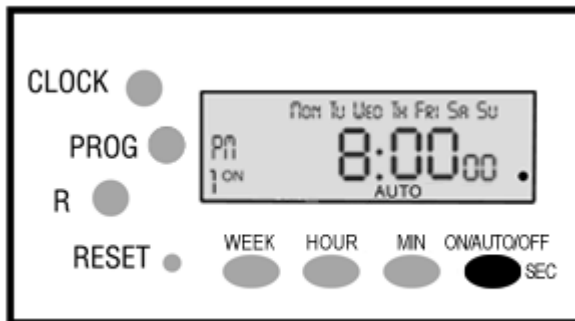


Fig 25

- Press the **ON/AUTO/OFF** button till the display shows 00 seconds. The **ON** time is now set to 8 a.m.

### 2.5.6

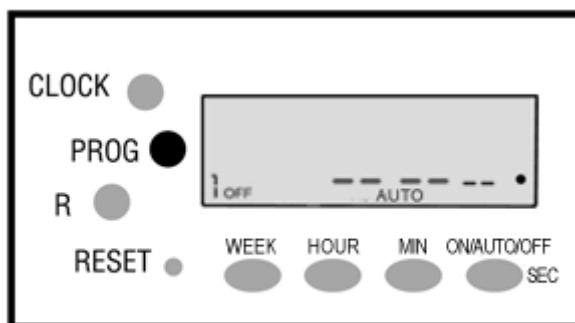


Fig 26

- Press the **PROG** button again and the display will show **1 OFF** which means that we are setting the first schedule for the **OFF** time.

### 2.5.7

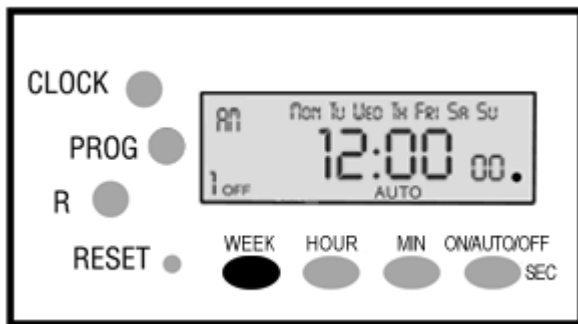


Fig 27

- Press the **WEEK** button once and the display will show Mon-Sun. This is the recommended days of week set in 1<sup>ON</sup>.

#### **NOTE:**

Select the same week option (Mon, Tu, Wed, Th, Fri, Sa, Su) in ON time & OFF time.

### 2.5.8

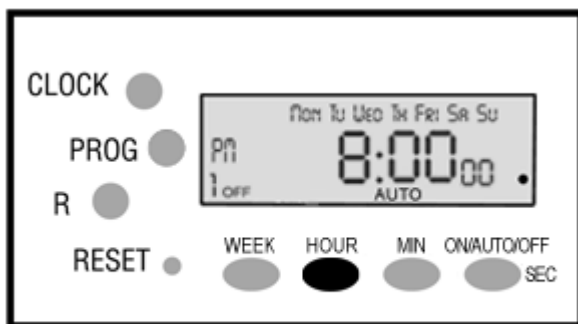


Fig 28

- Press the **HOUR** button till the display shows 8.

### 2.5.9

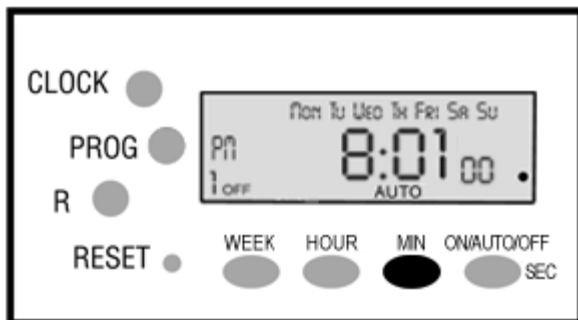


Fig 29

- Press the **MINUTE** button until display shows 8.01.

### 2.5.10

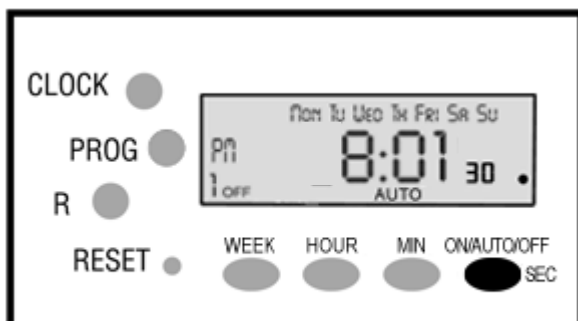


Fig 30

- Press the **ON/AUTO/OFF** button till the display shows 30 seconds. The **OFF** time is now set to 8hrs 1 min & 30 sec. The feeder time will be for 1 min and 30 sec.

## 2.5.11

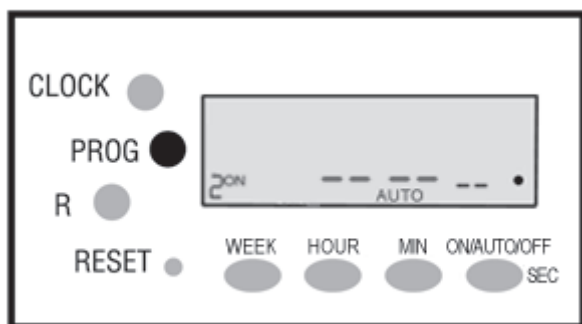


Fig 31

- Press the **PROG** button again. The display shows **2<sup>ON</sup>** which means that we are setting the second feed.

Repeat programming from no. 2.5.2 to 2.5.10 to complete programming for the second feed time. Repeat the process for the remaining programs (3 to 8).

## 2.5.12

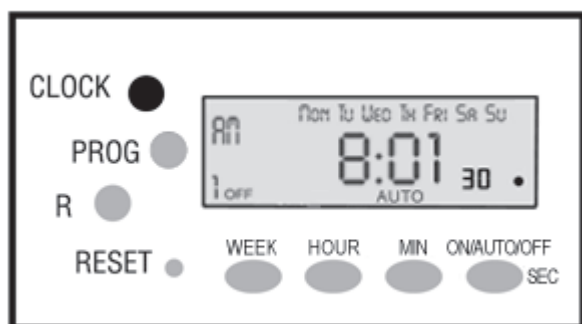


Fig 32

- Press the **CLOCK** button to exit from the **PROG** mode.

## 2.6 Connecting the Auto koi feeder - Pond fish feeder - Outdoor feeder into the Timer

### 2.6.1

- Connect the 24 VAC Transformer of the Auto koi feeder Pond fish feeder - Outdoor feeder into the timer socket.

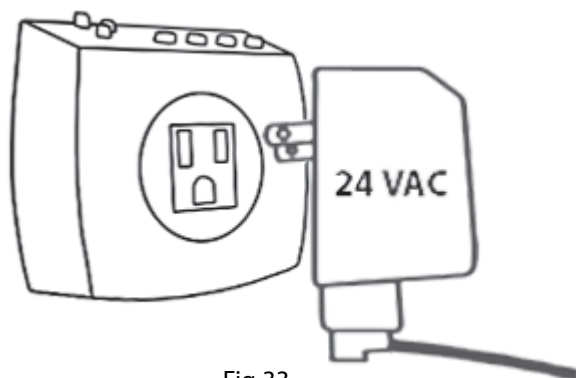


Fig 33

### 2.6.2

- Plug the timer into an 110 VAC GFI wall socket.

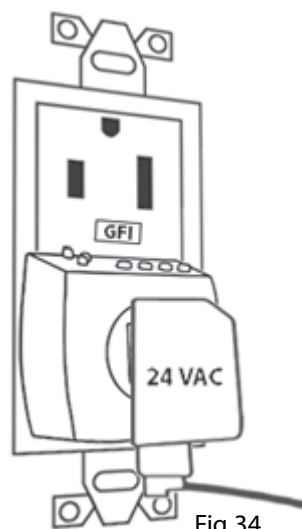


Fig 34

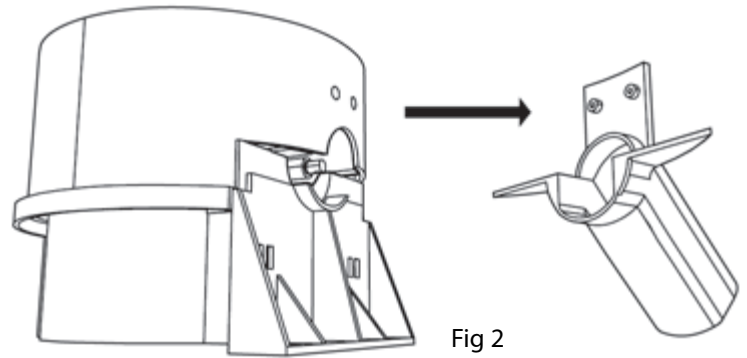
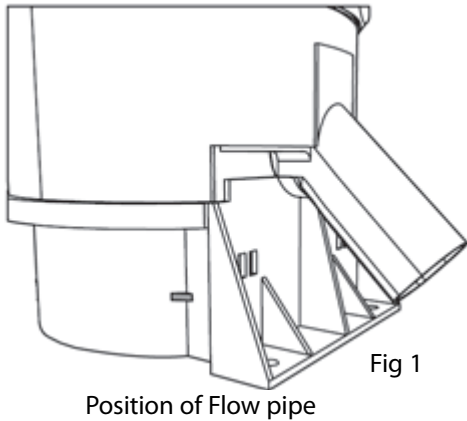
**Now the Auto koi feeder - Pond fish feeder - Outdoor feeder is ready to feed your pet as per your schedule**

## Maintenance

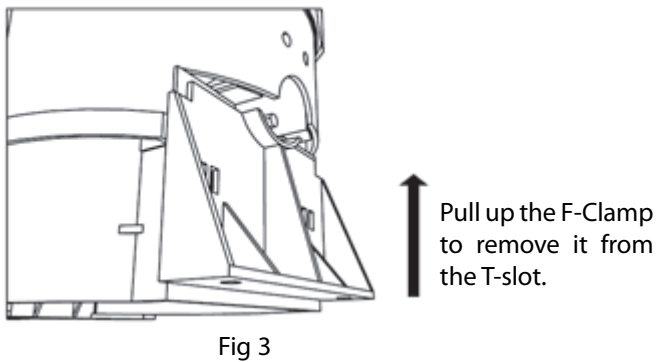
**Your Auto koi feeder - Pond fish feeder - Outdoor feeder is easy to dismantle, clean and to assemble. Before cleaning disconnect timer and power outlet. Below steps will make your cleaning process easier.**

### Step 1

- ❑ Remove the Flow Pipe inserted above the F-Clamp from its screwed position.

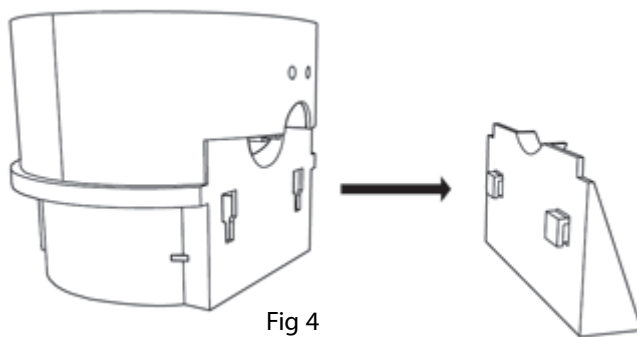


### Step 2



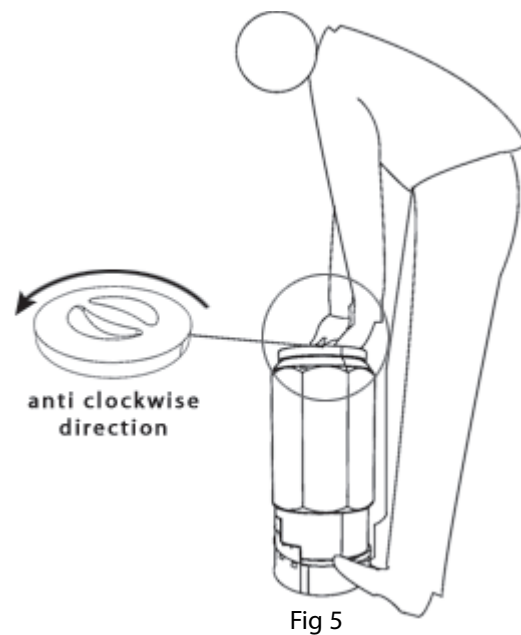
### Step 3

- ❑ Remove the F-Clamp from the T-slot.



### Step 4

- ❑ Unscrew the food container cover as shown in Fig 2.





### Step 5

- ❑ Holding the feeder base tightly between your feet pull up the food container as shown in **Fig 2**.

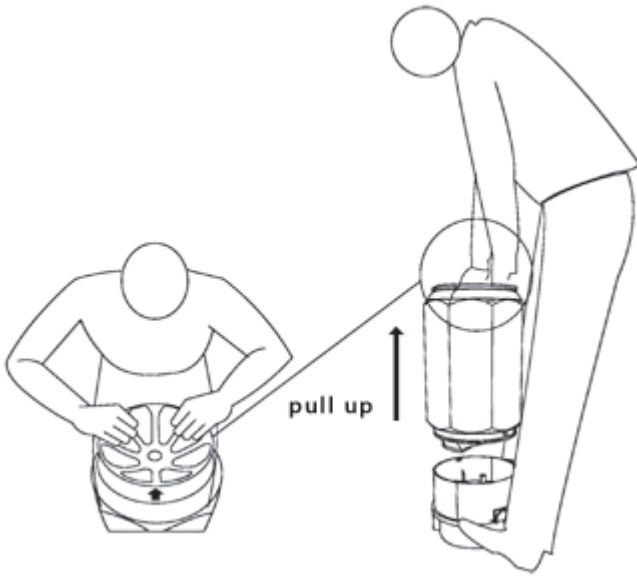


Fig 6

### Step 6

- ❑ Clean the inner area of the storage container.

### Step 7

- ❑ Clean the Bowl and Lid.

### Step 8

- ❑ Clean the Base.

**Cleaning of Auto koi feeder - Pond fish feeder  
Outdoor feeder is completed.  
Follow the below steps to reassemble your feeder.**

### Step 9

- ❑ Check the arrow marks on the Feeder base and the Feeder container lines up together as shown in **Fig 4**.

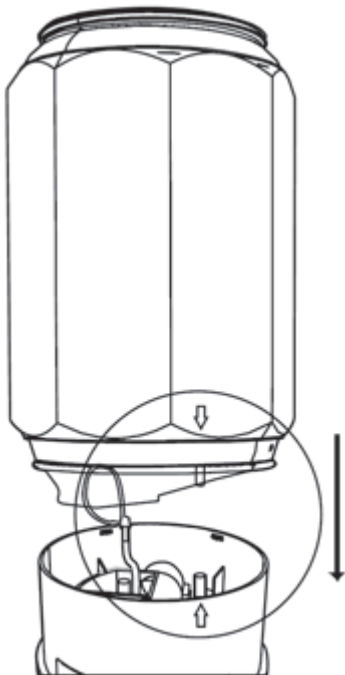


Fig 7

### Step 10

- ❑ Make sure that the safety pin aligns with the safety switch receiver as shown in **Fig 5**.

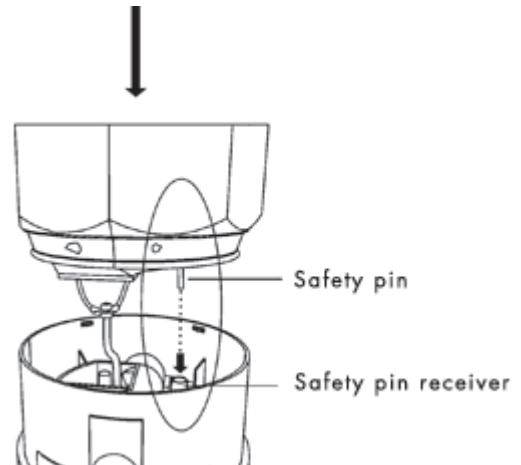
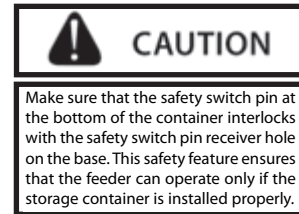


Fig 8

### Step 11

- Then the bottle is pressed into the base as shown.

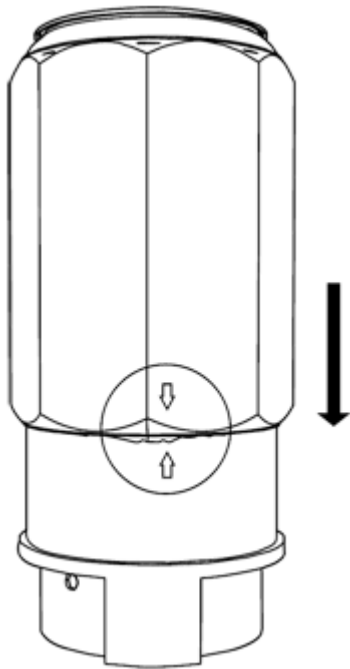


Fig 9

### Step 12

- Replace the food container cover.

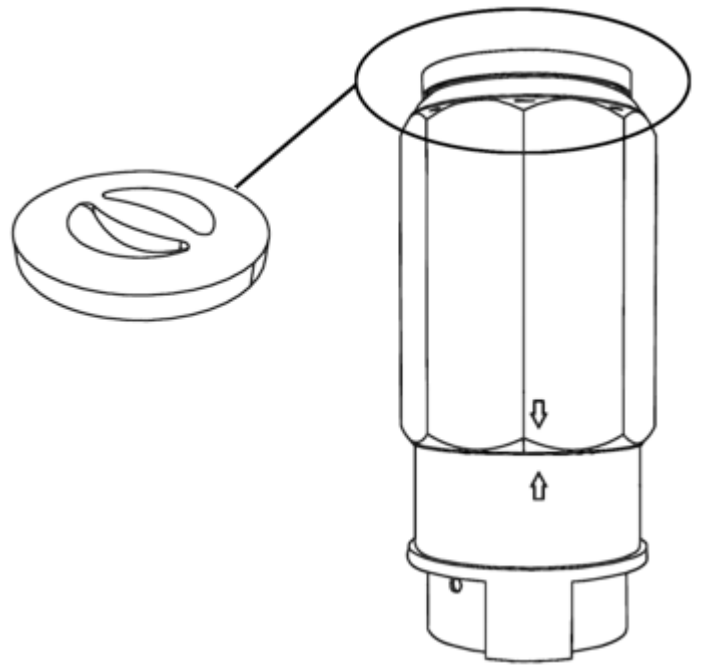


Fig 10

### Step 13

- The F-Clamp is aligned with the T-slots on the Pet Feeder body.

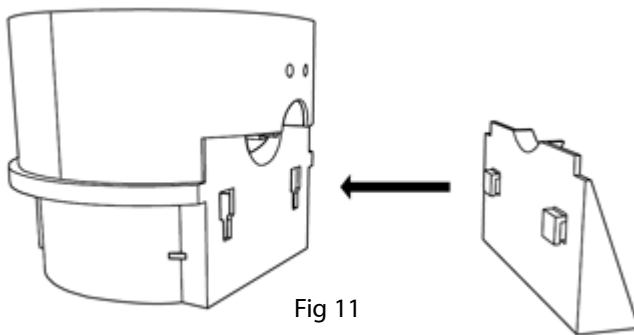


Fig 11

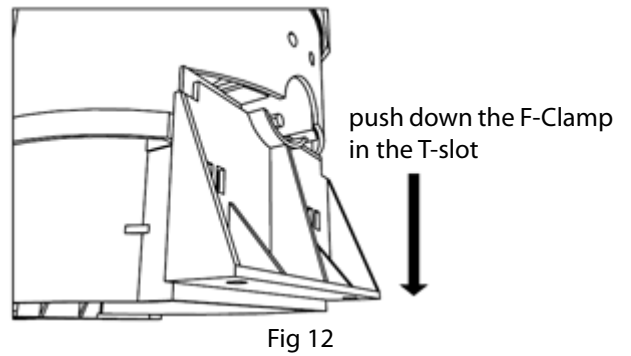
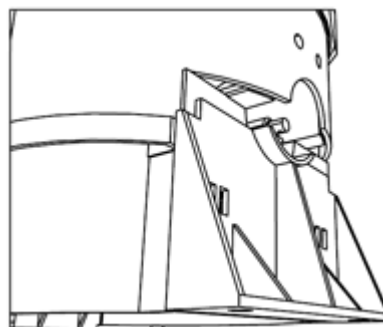


Fig 12



Final position of F-Clamp  
Fig 13

## Step 14

- ❑ The flow pipe is inserted above the F-Clamp and is screwed in position.

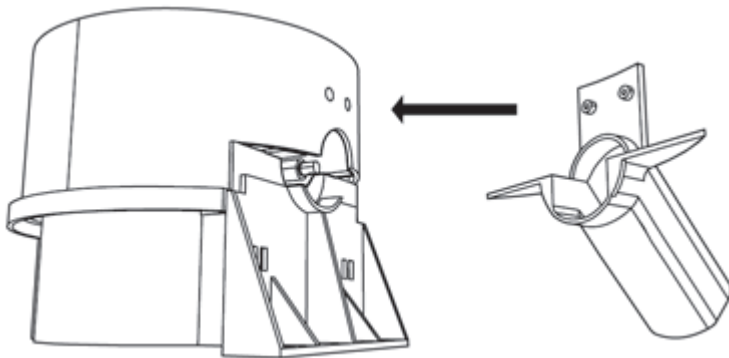
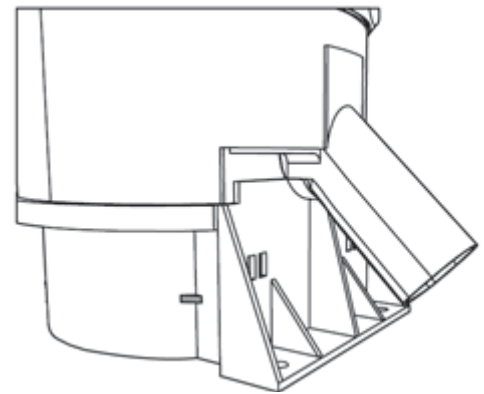


Fig 14



Final position of Flow pipe  
Fig 15

## Step 15

- ❑ The waterproof body cover is slid from the top of the Feeder so as to cover the Feeder completely. The cover is fastened in position using the Velcro straps provided. The waterproof cap is then used to cover the top of the Feeder.

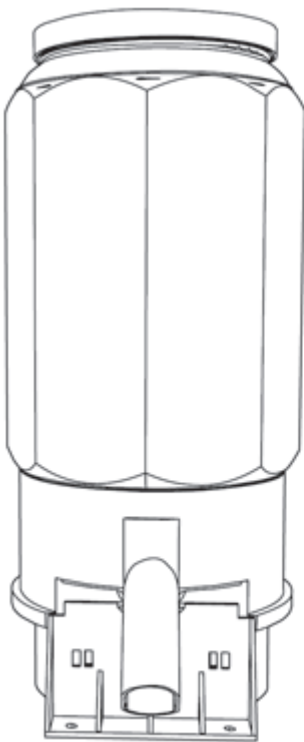


Fig 16

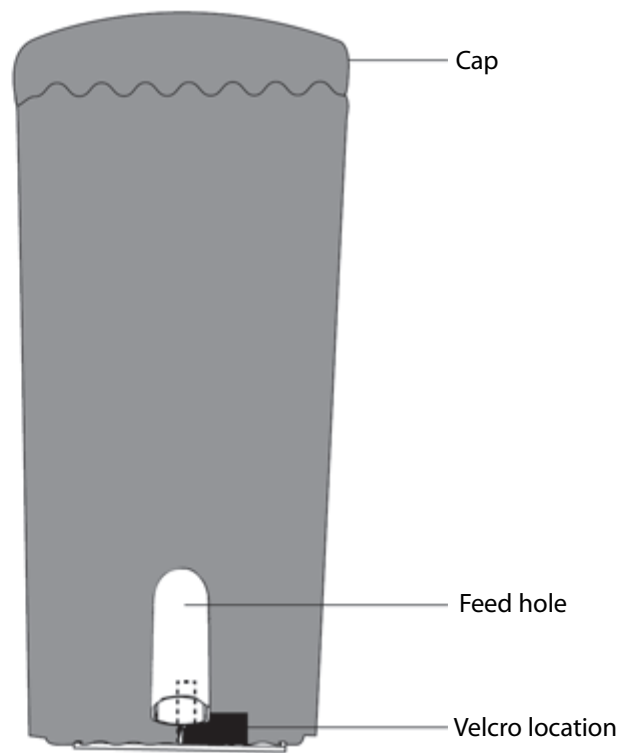


Fig 17

**The assembly of Auto koi feeder - Pond fish feeder - Outdoor feeder is now complete.  
Connect timer to the power outlet and start feeding your loved ones with your clean Feeder.**

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**Ergo Systems Inc.,**

**E-Mail**  
[support@ergosys.net](mailto:support@ergosys.net)

**Toll-Free Phone. US only**  
1-888-ERGOSYS  
(1-888-374-6797)

**Website**  
<http://www.autopetfeeder.com>

**International Phone**  
1-630-543-7686



**Warranty Registration**  
<http://www.autopetfeeder.com/warranty.asp>

**Fax**  
1-866-899-5389