

# UMI Refrigerator



## Set-Up

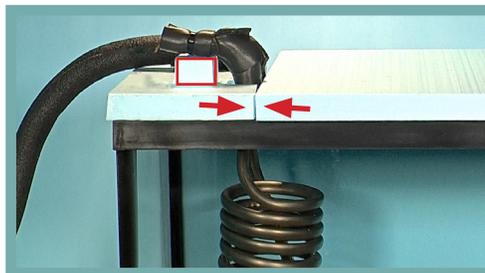
- 1 Place the stainless steel tubing (the coiled loop) on the inside of the tank. Only submerge the lower coils in the water.



- 2 Cut a 6" section of the styrofoam lid for the wrapped section of coils to rest on. Cut two wedges to stabilize the coils. If the model comes with an attached metal plate, rest this plate on top of the lid.

3

The remaining length of lid will now fit tightly against this 6" section and can be removed without disturbing the refrigerator.



Stabilize the wrapped section of coils on top of the lid with a block of styrofoam or other object.

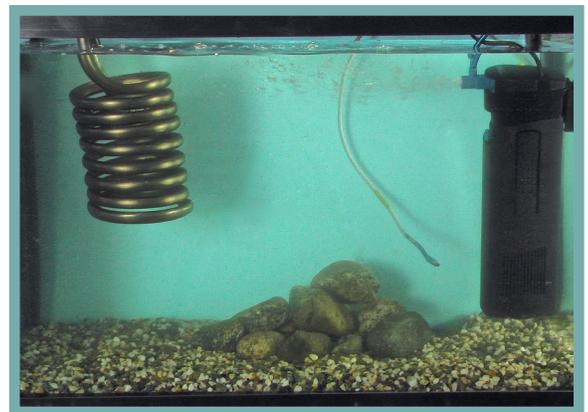
## Thermostat

The thermostat is placed inside the tank. It regulates water temperature and turns the refrigerator on and off according to the temperature that is set.



4

The thermostat sensor must always be in the water - tape its cord to the outside of the tank to ensure it remains in the tank and under water.



5

Direct the air flow from the Filter to create a current over the cooling coils. This is important in preventing ice forming on the coils.

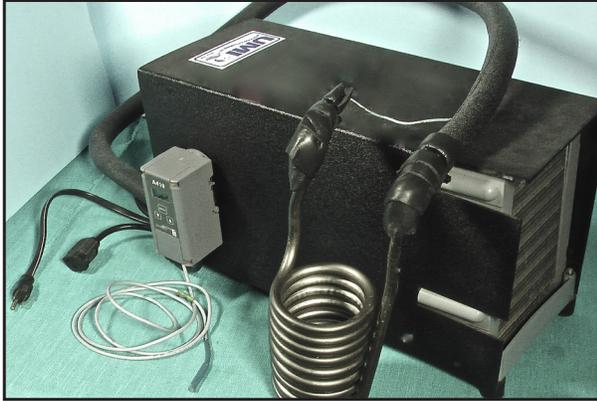
## Purchase or Repairs

Universal Marine Industries  
2790 Sunnyside Road, Anmore

Ken McHale 604 469-6427  
umi@telus.net



# UMI Digital Settings



When the thermostat is in the water the digital readout displays the present temperature.

## Trouble Shooting

**Problem:** Ice is forming on the steel tubing.  
**Check** that the outflow from the Filter is directed towards the cooling tubing to create a current.

**Problem:** The refrigerator never turns off.  
**Check** that the thermostat is below the water line and has not withdrawn from the metal casing.

**Problem:** The refrigerator turns on frequently.  
**Check** that the tank is tightly covered with insulation, only removing the front at the fry stage.

**Problem:** The refrigerator motor is over heating.  
**Check** that the fan is clean of dust and has access to air (do not place fan against walls or the motor in cupboards).

### 1 Set Temperature

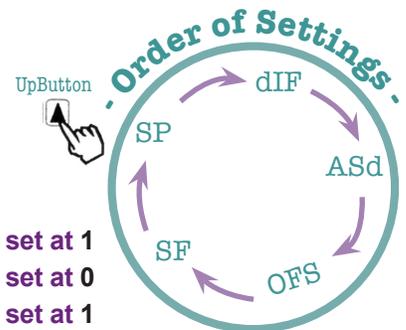
- Press MENU until SP (Set Point) blinks on display.
- Press MENU again to read the **present** Set Point.
- Use up/down arrows to set the **desired** water temperature.
- Press MENU again to **save** this setting. The display will return to the present water temperature.

### 2 Set Differential

- Press MENU until SP blinks on display.
- Press the UP arrow - dIF (Differential) will blink.
- Press MENU again to read the **present** Differential.
- Use up/down arrows to set the Differential at 1.
- Press MENU again to **save** this setting. The display will return to the present water temperature.

If no buttons are pressed for 30 seconds the digital readout will return to displaying the present tank water temperature.

There are three factory settings  
**ASd set at 1**  
**OFS set at 0**  
**SF set at 1**



## How it Works

If the SP is set at 6°C, and the differential at 1 . . .

- The refrigerator will **TURN ON** – chill the water to 5°C – then **TURN OFF**.
- When the water **warms to 6°C** – the refrigerator will **TURN ON** - and again chill the water down to 5°C.
- This cycle repeats as long as the chiller is plugged in and the thermostat is in the water.

Safety: Attach to a Ground Fault plug or a portable ground fault cord. This will interrupt the power if moisture is present, and the refrigerator will turn off and remain off until the Reset Button on the ground fault is pushed.