

## TROUBLE SHOOTING

Pump does not operate even though the solar panel is in full sunlight.

**Check:** No connection to the solar panel – check connection to the solar panel; Check connection to the DC pump, LED light.

**Check:** Impeller is blocked – To clean the pump, remove the cover as above.

Use a small brush or stream of water to remove any debris.

Pump does operate but there is no water running through the fountain head.

**Check:** build up of sediment or scale in the tubes or the filter- clean the tubes and the filter.

Operating time is shorter than preset time.

When there is no enough electricity stored in the batteries, the pump will stop to work. It may restart after one hour when more electricity is stored.

## LIMITED WARRANTY

All Beckett pumps are warranted to the user against defective material and workmanship under normal use, for a period of 1 year from the date of purchase by the original purchaser. All other Beckett products are warranted to the user against defective material and workmanship for 3 months from the date of purchase. Replacement liability in all events is limited to the replacing or repairing at Beckett's sole discretion of any part or parts, which are defective in material or workmanship. Proof of purchase is required on all claims in the form of invoice copy, sales ticket, etc.

**APPLICATION:** Warranty covers only properly installed and maintained units. Warranty is limited to applications pumping fresh water at temperatures of 32°-86°F (0°-30°C), with a pH range of 5 to 9. Beckett Corporation must approve other liquid applications and extreme temperature uses in advance in writing.

**ADMINISTRATION:** Warranty claims must be made by returning the defective part, freight prepaid, along with proof of purchase, to: Beckett Corporation, Customer Care Dept., 3321 E. Princess Anne Rd. Norfolk, Va. 23502. Phone authorization is required prior to returning merchandise (866-466-4319). All items returned will be inspected to determine cause of failure before warranty is approved.

**INSTALLATION and/or REMOVAL CHARGES:** Warranty does not cover any costs associated with the installation or removal of products subject to warranty claims.

**DISPOSITION:** Beckett will make a good-faith effort for prompt disposition regarding any item in warranty, which proves to be defective. If products were damaged in transit, please file a claim with the carrier.

**DISCLAIMER:** Any oral statements about the product made by the seller, the manufacturer, the representatives or any other parties, do not constitute warranties, should not be relied upon by the user, and are not part of the contract for sale. Seller's and manufacturer's only obligation and buyer's and user's only remedy shall be for the manufacturer to either replace and/or repair at the manufacturer's sole discretion the Beckett product as described above. Neither seller nor the manufacturer shall be liable for any injury, loss or damage, direct, incidental or consequential (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss), arising from any cause whatsoever, no matter whether based upon warranty, contract, negligence or other misuse, and the buyer and user agree that no other remedy shall be available to them. Before using, the buyer and user shall determine the suitability of the product for the intended use, and assumes all risk and liability whatsoever in connection herewith. The warranty and remedy described in this limited warranty is an EXCLUSIVE warranty and remedy. IN LIEU of any other warranty or remedy, expressed or implied, which other warranties and remedies are hereby expressly EXCLUDED, including but not limited to any implied warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This Warranty gives buyer and user specific legal rights, and buyer and user may also have other rights that vary from state to state. Some states do not allow the exclusion or limitations of incidental or consequential damages, so the above limitation or exclusion may not apply to you.



# SLR20 SOLAR PUMP USER'S MANUAL

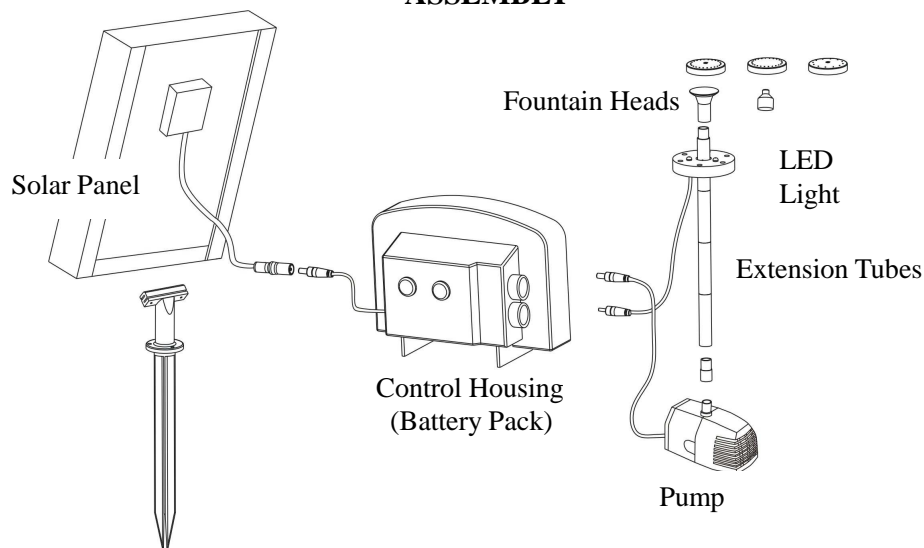
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Rev B

## OVERVIEW

The solar pump is designed for fountain, pond or outdoor use. In order to make the pump work, the solar panel needs to be in direct sunlight.

This solar pump is designed with Memory Function to remember the time at which you switch on the solar pump for the first time; this function will then switch on the pump at that time every day.

## ASSEMBLY



Unpack all components carefully.

Connect the solar panel to the control housing. (**Note:** place the control housing on a dry, clean location)

Place the pump underwater and make sure that it is **fully immersed** in water. Use the three flexible suction cups to stick to the bottom of fountain pool. In case the pump tube is too far from the surface of water, you can raise the pump by using stones or brick underlay.

Connect fountain heads, extension tubes, and LED light as required;

Adjust the water flow control as needed;

Connect the pump cable to the (Pump) socket of the control housing;

Connect the LED light cable to the (Light) socket of the control housing;

The solar pump is now ready to use.

## CAUTIONS

Any altering of the product itself or changing of the components is forbidden.

Do not connect the pump to any AC voltage power, it is intended ONLY for DC Voltage power.

Operate in freshwater only (never above 100°F), and especially keep away from flammable liquids.

Do not strike the solar panel.

Do not let the pump run dry.

## TECHNICAL SPECS

Solar Panel-1.3W, Pump voltage-6V, Max water lift 19", Max flow rate-40 gph, Pump power cord-9.8', LED light voltage-6V, Light power cord-9.8'

## OPERATING INSTRUCTIONS

Once installed, allow the solar pump to charge at least eight hours in direct sunlight in order to fully charge the Battery.

**Test the control system:** push the "on" button. The pump will begin to work. (Note: LED lights work only at night)

**Memory Function:** The memory function is designed to remember the time at which you switch on the solar pump for the first time; this function will then switch on the pump at that time every day.

### How to use the memory function

Push the "on" button, the solar pump will begin to work and will stop when it reaches 3 hours or when the electricity stored in the battery is used up.

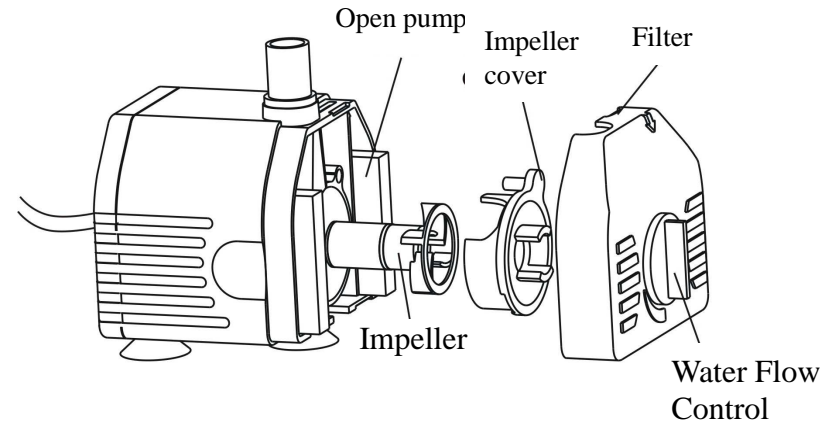
The pump will begin operation automatically at the same time every day after you initiate the memory function.

Push the "off" button to stop the pump and the memory function, and to reset when required.

## CLEANING AND MAINTENANCE

**Solar panel:** The panel should be cleaned periodically with a soft tissue. Regular cleaning of the panel is advised to maintain optimum conversion of the sun's energy into direct current.

**Pump:** If, after a period of time, the pump starts to lose power or stops working check for the build up of sediment, scale, or dirt in the filter. Remove the pump cover and the impeller cover. Clean them and the filters by fresh water.



**Solar panel:** The solar panel and solar controller should be only cleaned with damp cloth. DO NOT rinse with water directly.

### REPLACE BATTERIES

If the solar pump stops working after it has been used for a long time (about 12-18 months), maybe the battery is beyond its lifespan. You may open the control housing to change a new rechargeable battery pack 6V/1000mAH-1200mAH.