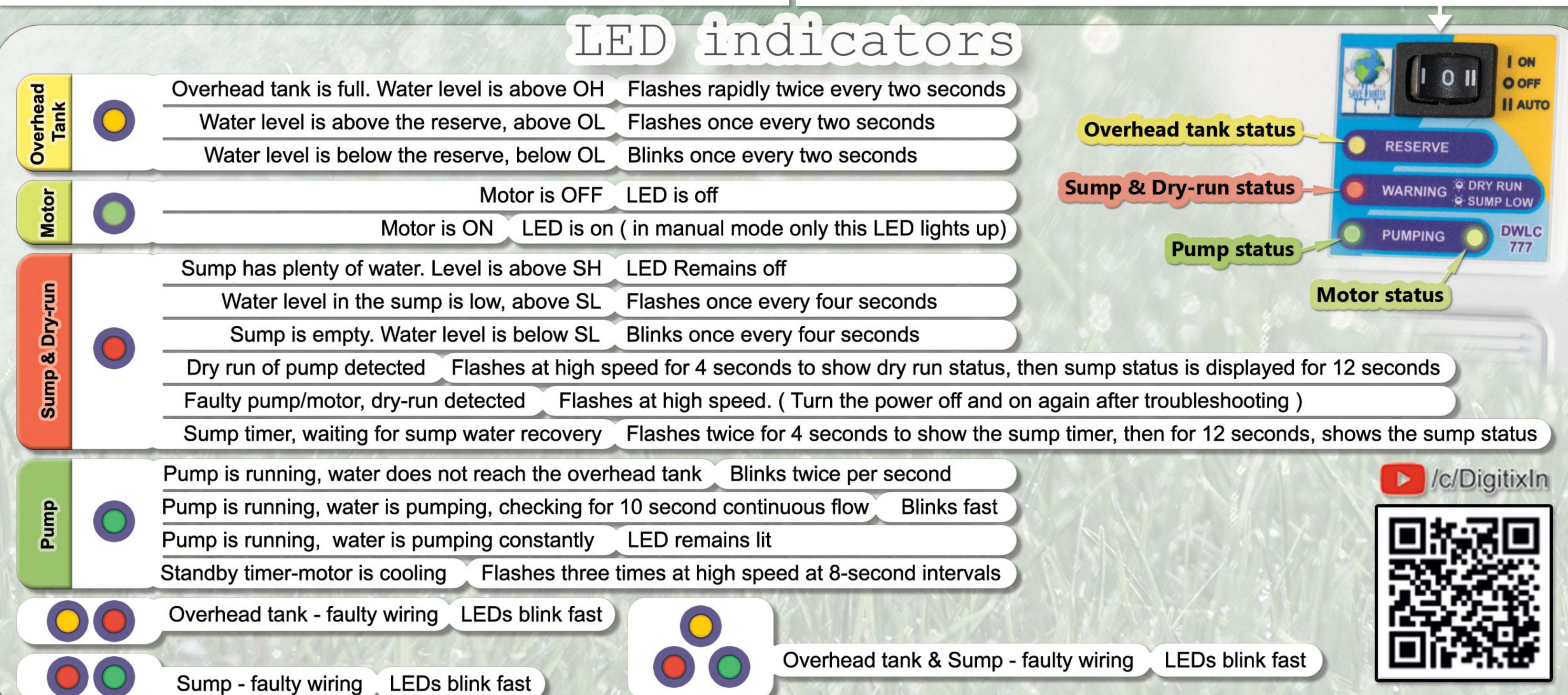


## Features

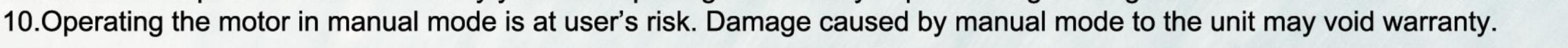
- ☼ Overhead tank control: The motor switches on when the water level in the overhead tank falls below the reserve level (OL sensor) and switches off when the water level rises to the full tank (OH sensor).
- Sump timer: The amount of water coming into the sump may vary from time to time. Sometimes it doesn't even reach the SH sensor. The sump timer monitors the sump's water level. When the water level recovers above the SL sensor, pumping resumes after waiting 30 minutes. This function ensures the availability of water in the overhead tank. Useful in areas where water supply is frequently disrupted and in the summer when water sources in wells are weak.
- ☼ Micro-computer based sensing algorith prevents corrosion of sensor probes.

- Sump control: When the water level in the sump approaches the foot valve (SL sensor), the motor turns off to prevent air from entering the suction. The motor turns on when the water level rises enough for re-pumping (SH sensor).
- Run timer & Standby timer: When higher-capacity overhead tanks are used, the operating time of the pump will increase. This can cause the motor to overheat. The run timer limits pumping to 20 minutes. The standby timer cools the motor for 30 minutes and then resumes pumping.
- Submersible pump control: When the springs in the well recede in summer, if you wait for some time, the water level will rise and can be pumped for a while. When using submersible pumps, it is not always possible to place the sensor inside the sump or well. The controller does not sense the water level inside the sump or well because the SL and SH sensors are not installed. A dry run after continuous pumping for 10 seconds can be interpreted as the sump being empty. The controller uses this method to detect that the sump or well has run out of water. To do this, Connect the SL sensor terminal to the COM terminal with a wire. After starting the motor, water can be considered properly pumped if it reaches the overhead tank continuously for more than 10 seconds. When the sump or well runs out of water, air enters the suction and stops pumping. If pumping is interrupted for more than 8 seconds, the controller recognises that the water has run out and turns off the motor. After 30 minutes, the pump will turn on again. This method cannot be used with pumps other than submersible or self-priming pumps. For other pumps, sump sensors should be installed.
- ☼ Zero-cross-switching triac output (16A) to the motor avoids arcing and extra power loss while switching.
- Automatic / Off / Manual switch.



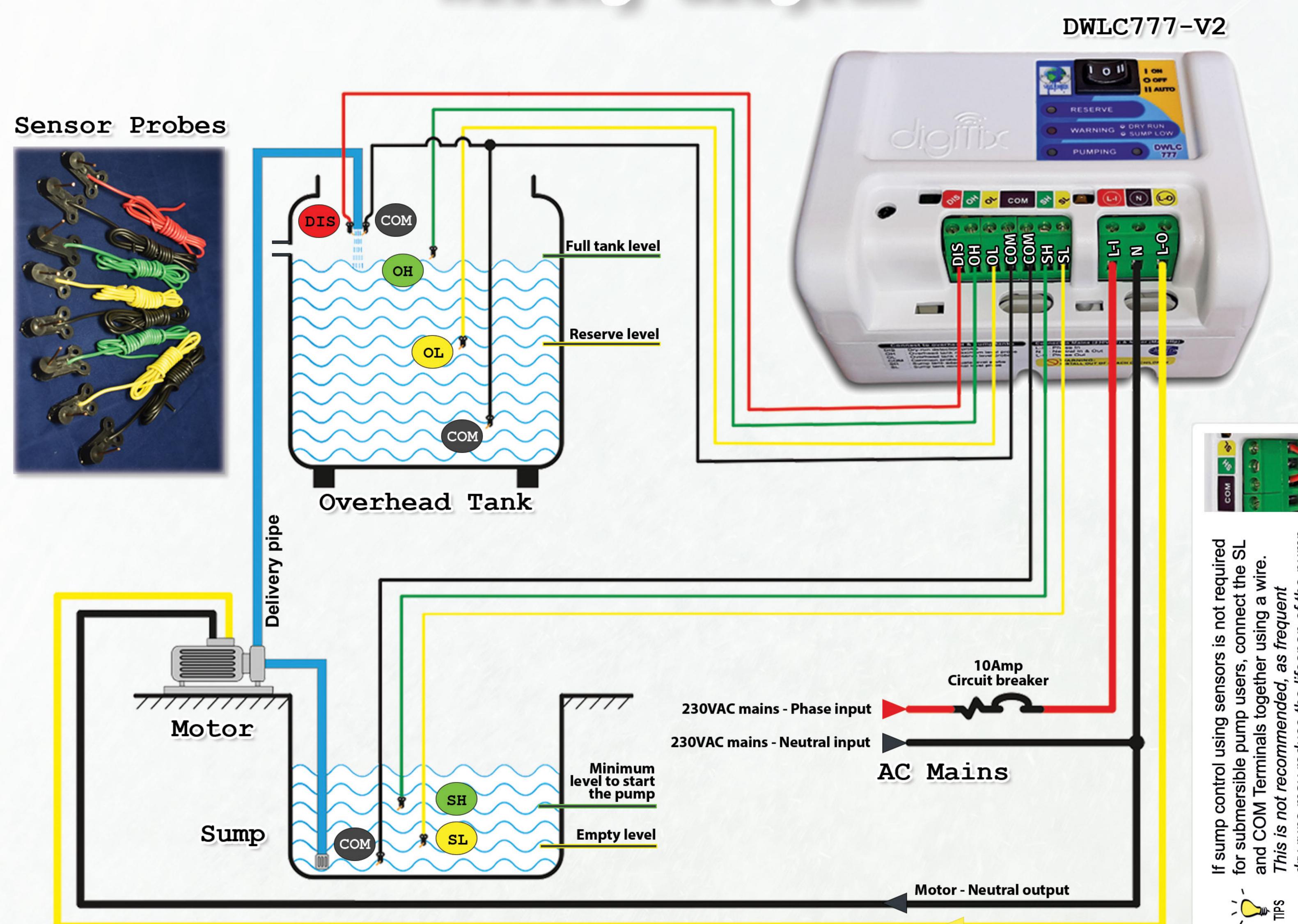
### **IMPORTANT INSTRUCTIONS**

- 1. Read all instructions before installing the unit for safety operations. All instructions should be carefully followed. Retain this manual for future reference.
- 2. DANGER: Hazardous voltage can cause death or serious injury. Disconnect power before working on equipment.
- 3. This unit should not be installed near any heat source or inside a closed cabinet. Place away from direct sun light to prevent plastic components from aging.
- 4. Ensure that the power voltage, frequency, and current are the same as those of the product specifications. Failure to do so may result in electric shock or fire.
- 5. Do not install in a humid, oily or dusty location, or in a location exposed to direct sunlight or water (rain drops).
- 6. Do not wash or clean with petrol, kerosene, benzene, paint thinner, alcohol or other inflammable or explosive substances. This may result in electric shock, fire, or an explosion.
- 7. Do not touch the auto-manual-off switch with wet hands. This may result in electric shock.
- 8. Never push objects of any kind or never allow any liquid enter into this unit through slots provided as that could result in fire or electric shock.
- 9. Do not attempt to service this unit by yourself. Opening covers may expose to high voltages. Unauthorised service void warranty terms.





# Wiring diagram



\* Features and specifications are subject to change without notice.



#### Installation 'Minimum level to start the pump' **Dry-Run Sensor Probes** Sensor Set the DIS and COM sensor probes at the Set the SH sensor probe at a level where end of the delivery pipe as shown in the enough water is normally available for picture to sense water output and prevent pumping. On regaining the water level in dry-running of the pump. Prolonged running the emptied sump, the pump will start. without water will reduce the pump's life span 'Full Tank Level' Sensor Probe 'Empty Level' Sensor Probe ΟН Sensor Sensor Set the SL sensor probe just above the Set the OH sensor probe at the maximum foot valve at a level where air entry inside capacity level of the main tank, below the the suction pipe will not happen. The hassle overflow pipe. The motor will stop when the of removing trapped air inside the suction water reaches this level and prevent overspilling. pipe is avoided. 'Reserve Level' Sensor Probe Sensor probes-Common OL COM Sensor Sensor Set the OL sensor probe at a level where Set the COM sensor probe near the DIS you want to keep the water reserve. The Com sensor, below the OL sensor, and below pumping will start when the water level falls the SL sensor. below this level.

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### One Year Warranty



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CUSTOMER

DEALER

Product : WATER LEVEL CONTROLLER

Model : DWLC-777-V2

Serial No. :

Invoice No.:

Date :

Stamp

WARRANTY TERMS: The Company grants warranty to the actual user only, a limited conditional warranty for the product supplied by it to the extent and purpose detailed below.

- 1. The Warranty shall be only with respect to defects in manufacturing for a period of 12 months from the date of purchase.
- 2. The scope of the warranty shall extend only to the repairing or replacing the defective parts, free of charge. The decision as to whether a part should be repaired or replaced. shall be on the sole discretion of the company. In case of replacement of a part, the defective part will become the property of the company. As this is not an onsite warranty, the defective product has to be brought to the authorised dealer or authorised service centre. Failure to present documents evidencing purchase shall render the claim invalid.
- 3. The warranty shall not cover any cost or charges including cost of removal, installation, transportation etc.
- 4. This warranty does not extend to any damage or wear to the product, resulting from abnormal operating conditions, accidents, abuse, misuse, unauthorised alteration, repair etc..
- The warranty does not cover any damage or wear to the product and its accessories if it was not installed, operated and maintained in accordance with the company's installation guide.
- The liability of the company under this warranty shall not extend to any incidental or consequential damages, losses or expenses arising out of or in the course of installation, or any other causes or any claim arising out of fire, accident, wilful damage, transit damage or any other force majeure conditions.
- 7. The scope of warranty does not hold good if the serial number or warranty seal is deleted, defaced or altered.
- 8. In case of any dispute or claims over the terms of this warranty, Warranty liability on seller is limited to the selling price of the product and the decision of the company shall be final.
- 9. Any dispute is subjected to Ernakulam jurisdiction and the jurisdiction of other courts is excluded.

