



# Wireless Water Level Controller

MODEL: PRIMA

OPERATION MANUAL

AquaBrim Home Appliance Private Ltd.

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**FOR CUSTOMER CARE AND FEEDBACK,  
PLEASE LOGON [WWW.AQUABRIM.COM](http://WWW.AQUABRIM.COM)**

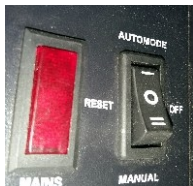
Congratulation for having Aquabrim water level controller MODEL:PRIMA, a most advance product to give you best service. Please read this manual carefully for understanding the product and its operations.

This controller is designed to automate the motor which pump water from sump tank to overhead tank.It display 3 levels of overhead tank and 3 levels of underground tank. The system triggers the motor whenever the water level in overhead tank falls below 50% and after getting tank filled full it will stop the motor. if while filling the overhead tank, water level of sumptank falls below 20% level, it will stop the motor. It will again start the motor if the water level in sump tank reach 30% level.

For optimum storage of water,if the water level in sump tank rises to 90% level, it will trigger the motor and pump the most of the water to the over head tank so that more water can be stored in sump tank.

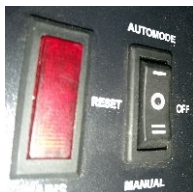
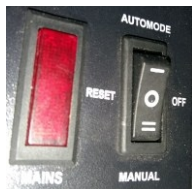
If a motor is filling more then one tank, additional transmitters is required to be installed to each tank. In that case the controller will act according to the tank having least water.

# KNOW YOUR CONTROLLER



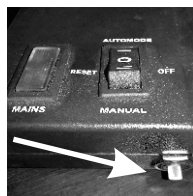
**AUTO MODE:** In this mode the controller will operate the motor automatically.

**Manual MODE:** In this mode the controller will start the motor and system will be bypassed. In Starter based motor this mode is disabled.



**OFF MODE:** In this mode the controller will be in off state and neither system nor motor will operate..

**Fuse Holder:** Fuse has been provided for protection of device for high voltage and high current



**Water Need ( Button No-1):** Press this button for 5 seconds to trigger the motor.

## DETAILS OF ERRORS/ WARNING INDICATIONS

Motor ON LED blinking	If the water level stopped raising in overhead tank for 30 minuts, it will stop the operation for 4 hours.This protection can be disabled.
Flow OK LED blinking	Motor has been stopped due to Flow Error i.e water level not raising in tank
No Signal LED glowing	Not getting signals of O.H tank transmitter. On power-up, it may take 5 minute to get signals. Motor will not run
No Signal LED blinking	Signals of Sump Tank transmitter missing and may not display correct level of sump tank. After power-up it may take 5 minute to get signals.
Sump Tank 20% LED blinking	If its blinking, it means the water level in sump tank falls below 20%. The motor will not run in this case.
HI- LOW Volt LED	<p>In case voltage is beyond 250V, it will glow and if its below 185v it will blink@ every 1 second. The motor will not run in both case</p> <p>If it blinks every 3 seconds it means voltage protection is disable. It can be enabled/ disabled by pressing button-1 three times</p>

## DETAILS OF NORMAL INDICATIONS

MAINS	It indicates power supply is coming to the controller
Flow OK	It glow when water is falling in the tank.
Tank FULL LED	Once the water level touch 100% sensor this LED will glow till level drop below 95%
Tank 75% LED	If it is glowing, it means water level in over head tank is above 75%
Tank 50% LED	It will glow if water level in over head tank is above 50% and blink if its below 50%.
Motor ON	If its glowing it means controller has started motor.
Sump 50% LED	If this is glowing it means water level in sump tank is above 50%
Sump 30% LED	If this is glowing it means water level in sump tank is between 30% and 49%
Sump 20% LED	If this is glowing it means water level in sump tank is between 20% and 29%

**While in AUTOMODE, the Controller will trigger/ run the motor in following conditions:**

1. When the water level in over head tank falls below 50%
2. Button No-1 is pressed for 5 seconds.
3. If the water level in sump tank rises to 90%, it will trigger the motor

**The Motor may not be allowed to run or may be stopped in following conditions:**

- 1) If the water Level in Storage Tank is 75% or more.
- 2) If the water level in sump tank falls below 20%. It will not start the motor unless the water level in sump tank is 30% or more.
- 3) If the “No Signal” LED is glowing continuously.
- 4) If “ Hi/ low” LED is glowing or blinking. It indicates that supply voltage is beyond normal operating voltage 185~250 V. This protection can be enable/ disable by pressing button-1 three times.
- 5) If while running the motor, flow of water in tank is interrupted.
- 6) If the fuse has blown
- 7) If the power supply is disconnected and MAINS indicator is off.
- 8) The switch is in off condition.
- 9) If in-spite of running motor for 30 minuts, water level is not changing. (May be tap left open or due to water leakage)

## COMMON PROBLEMS: TANK OVERFLOW

Do the following:

1. Check the level sensors in the overhead tanks. It should be inside the tank and properly positioned. The full level sensor should be 4 inch below the max level of tank.

2. The wires of sensor should not be damaged/ broken / scratched

3. The system should not be in manual mode.

4. In case multiple tanks are getting filled by a single motor, it is necessary that all the tanks are fitted with float valve. Check for the failure of the float valves of all the tanks..

5. Check for damaged tank/ pipeline.