Aqua Brim™
SIMPLIFY LIFE

Wireless Water Level Controller

MODEL: PRIMA

OPERATION MANUAL

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**FOR CUSTOMER CARE AND FEEDBACK,
PLEASE LOGON 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 50% 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.

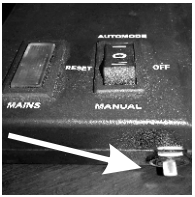
If a motor is filling more then one tank, additional transmitters is required to be installed to each tank. In that case the controller will act according to the tank having least water.

KNOW YOUR CONTROLLER

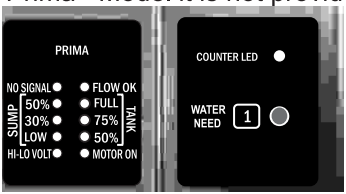
AUTO MODE: In this mode the controller will operate the motor automatically.

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 RESET: This seafty fuse will be tripped in case of motor fault or high current. Rectify the problem and push this switch for normal operation. In Prima+ Model it is not provided



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 after reset its blinking for 30 second, Motor is disconnected. If motor has not able to change water level in 2 hour, it will stop motor and this LED will blink
Flow OK LED blinking	Motor has been stopped due to Flow Error.
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	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 If it blinks every 3 seconds it means voltage protection is disable. It can be enabled/ disabled by pressing button-1 three times

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	It glow when water level is 100%. If its blinking it means within 5 min water was 100%.
Tank 75% LED	If it is glowing, it means water level in over head tank is above75%
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 it is glowing, it means water level in Sump tank is 50% or more.
Sump 30% LED	If it is glowing, it means water level in Sump tank is 30% or more.
Sump 20% LED	If it is glowing, it means water level in Sump tank is 20% or more

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. If after reset water level in over head tank is below 75%.
3. Button No-1 is pressed for 5 seconds.
4. If the water level in sump tank rises to 50%, it will trigger the motor.
5) When the switch is pressed into manual mode.

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 resettable fuse is tripped.
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 2 hours, 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.
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.

COMMON PROBLEM: NO SIGNAL Do the following:
1. The battery may need to be replaced if its more then one year old. Call customer care for replacement of battery
2. Other wireless product may interfere with wireless signals. In this case signal repeter/ booster unit may required to be installed.
3. Check the transmitter for any damage to its parts or dislocation from its position.
4. If this is a wired based Model, check the 2 core wire from controller to level sensor unit is not broken and connected to the sensor units.

SPECIFICATIONS	Prima Model	Prima+ Model
OPERATING VOLTAGE	**185~250V AC**	**185~250V AC**
MAX CAPACITY	**1 HP MOTOR**	N/A
FUSE RATING	**10AMP**	N/A