



Wireless Water  
Level Controller

MODEL: SENSE

OPERATION MANUAL

AquaBrim Home Appliance Private Ltd.

Office: 1st Floor, Sincere Tower, Plot no. 4,  
Preet Vihar, Delhi, India Pin:110092

[www.aquabrim.com](http://www.aquabrim.com)

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Congratulation for having Aquabrim water level controller MODEL:SENSE, 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 motor which is directly connected to main water supply line. The system triggers the motor in following conditions:

- 1) If a scheduled timer reached
- 2) If the System detect pressure in water supply line (Optional)
- 3) If Button-1 pressed for 5 second.

Whenever motor is triggered it will run the motor for few minutes and keep watch on flow of water in the tank. If the flow did not start within few minute (2~10 min, as per setting) it will stop the motor and after few minute gap again try. If water starts falling in the tank, it will keep running the motor till the tank gets full. If within one hours of trigger the water falls below 75% it will again try to fill the tank.

This system is equipped with multiple features/ protection witch can be used according to the requirement. please read this document carefully for smooth operation of system and understanding of system.

# KNOW YOUR CONTROLLER



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

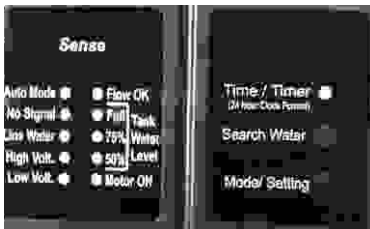
**Manual MODE:** In this mode the controller will start the motor and system will be bypassed.



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



**FUSE RESET:** This safety fuse will be tripped in case of motor fault or high current. Rectify the problem and push this switch for normal operation.



**Search Water ( Button No-1):** Press this button for 5 seconds to trigger the motor and check water supply.

**Mode/ Setting:** Its for internal settings.

## DETAILS OF ERRORS/ WARNING INDICATIONS

Motor ON LED blinking	If after reset its blinking for 30 second, Motor is disconnected or 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. After power-up, it may take 5 minute to get signals
No Signal LED Blinking	Signals of LINE water transmitter missing.After power-up it may take 5 minute to get signals
High Volt LED glowing	If its glowing, it means voltage is HIGH i.e above 260V.
Low Volt LED glowing	If its glowing, it means voltage is LOW i.e. below 180V.
HIGH & LOW Volt both blinking	If it blinks every 3 seconds it means Volt protection is disable. It can be enabled/ disabled by pressing button-1 three times
Line Water Blinking	Low pressure water supply detected or motor is triggered by timer

## DETAILS OF NORMAL INDICATIONS

MAINS	It indicates power supply is coming to the controller
Timer LED	If a timer is approaching in next 15 min it will start blinking. If a scheduled Time reach, it will glow for 15min
Auto Mode	System will operate motor automatically
Line Water	Blinking indicates low pressure water supply detected or a timer is active. Constant glowing indicated good pressure in supply line.
Flow OK	It will glow when water is falling in the tank.
FULL	It glow when water level is 100%. If its blinking it means within 5 min water was 100%.
75%	If it is glowing, it means water level in over head tank is above 75%
50%	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.

**The Controller will trigger/ run the motor in following conditions:**

1. When the LINE Sensor detects the pressure in water supply line.
2. When a Timer reach its scheduled time.
3. When Button No-1 is pressed for 5 seconds.
4. If the water level falls below 75% within one hours of detecting water supply in main line.

**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 “No Signal” LED is glowing/ blinking continuously.
3. If “ High Volt” or “Low Volt” LED is glowing. 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.
4. If while running the motor, flow of water in tank is interrupted.
5. If the resettable fuse is tripped.
6. If the power supply is disconnected and MAINS indicator is off.
7. The switch is in off condition.
8. If in-spite of running motor for 2 hours, water level is not changing.  
(May be tap left open or due to water leakage)

SPECIFICATIONS	
OPERATING VOLTAGE	185~250 Volt AC
MAX CAPACITY	1 HP MOTOR
FUSE RATING	10AMP

# Timer Manual/ Operation

( For Sense Model)

## Display Current Time

Action: Press Button-2 FIVE times

The LED blink will display hours and after a short beep its blink will indicate minutes

Example: It will display 5:25 PM as 17:25 Hours ( 24 Hour Format).

First LED will Blink 17 times for Hours and after a short beep again it will blink 25 times for minute.

**Display time of set timers** Action: Press Button-2 THREE times

After a Beep the LED blink will display time of first timer ( As above). Then after a long beep it will again show the time of next timer and it will be repeated for all timers

## Erase All Set Timers

Press Button-2 for 5 second, after a short beep release it and press Button-1 for five second, after a short beep release it . A long Beep will conform erasing of all timers

### Set New Timers

Method: Press Button-2 for TEN times

Example: Setting Timer for 7:45 PM

Method:

- 1) Convert 7:45 PM in 24 hours clock format. It will be 19:45 Hours.
- 2) Press Button-2 for 10 times to enter in timer setting mode and wait for a beep.
- 2) Now press button-1 for 19 times for Hours and wait for a short beep.
- 3) After beep press Button-1 for 45 times for Minute and wait for a short beep.
- 4) After a short beep it will display time by blinking 19 times for hours and after short beep 45 times for minute and then a short beep.
- 5) After Beep to conform timer press button-2 for more then 5 second and after a shot beep release it. A long beep will conform setting of new timer. Similarly many timers can be set.

### Set Current Time as Timer

Action: Press and hold Button-2 once. It will show the current timer and then a beep sound. After beep ,to set this time as new timer, Press Button-2 for more then 5 second and after a short beep release it.

Example: Setting Timer for 7:45 PM

Method:

- 1) At 7:45 PM in the evening ,Press Button-2 once, It will show the time of machine. It should be 19:45 Hours. ( 24 Hours Clock Format). Then a short beep sound
- 2) Now press button-2 for more then 5 second and after a short beep release it. A long beep will conform setting a new timer at 7:45 PM (19:45 Hours in 24 hours clock format). Similarly many timers can be set.