



# Wireless Water Level Controller

MODEL: PENTACOOOL *Challenger*

## OPERATION MANUAL

Aquabrim Home Appliance Pvt. Ltd.  
H.O: 2nd Floor, Corporation Bank Building,  
100 feet Road, Ghitorni, Delhi-110030

Congratulation, for having Aquabrim Water Level Indicator Model:PENTACOOL *Challenger*, a most advanced industrial grade water level indicator to give you best service.

Please read carefully this manual for proper operation of product.

This model is designed to display water level and other related information of multiple tanks in single display unit. It has audio/ visual alarm for over-flow , low/ full level.

Some salient features are as below:

- 1) It display the water level of tanks in %age with 1% resolution.
- 2) It indicates Flow and overflow status along with water level of individual tanks.
- 3)The low level of individual tank is configurable (80%~20%)
- 4) No external power supply is required for level transmitter units as its 2 Nos AA size Duracell battery will last more then 2 years.
- 5) It can be monitored and operated through web ( At additional cost)
- 6) Water level of upto 5 Over Head tanks and one sump tank can be displayed in one unit.
- 7) External high sounding hooter can be connected to this display unit.
- 8) Sensors can measure water level upto 10 meter depth.
- 9) Display panel is back light illuminated for better visibility in night/ dark situation.

Showing 99% water level in  
Tank No-1 i.e. in Boys Hostel Tank



## INDICATIONS AND ALARMS

Flow OK	This indicator will glow if water is flowing in the displayed Tank No-1
OVER FLOW	If any of overhead tank is overflowing, it will glow
FULL LEVEL	It will glow if the indicated tank gets full and alarm will be triggered
LOW LEVEL	It will glow if the water level in indicated tank falls below low level and the alarm will be triggered
ALARM	It will glow if any tanks get full/low/overflow and the buzzer will be triggered. The buzzer and alarm can be put off by pressing the button 1 or 2



Power switch at bottom

# DISPLAY SYSTEM

The controller have 4 digits to display various information. It display the information of one tank for 3 second. After 3 second it display the information of next tank. It display the information as given below:

**Tank Number:** The first digit display the Tank Number who's information will be displayed in next 3 digits. The Numerals 1 to 5 indicate destination storage tank and L indicate source tank i.e. sump tank.

**Flow Status:** The second digit indicate the status of water flow in the tank for corresponding tank number by displaying F

**Water Level:** 3rd and 4th digit display the water level in percentage for corresponding tank number

**Over Flow:** If the 3rd and 4th digit display OF, it means the corresponding tank is overflowing.

**No Signal:** If the display is not showing water level or Overflow status, it means the receiver did not got signal since last 15 minute from corresponding Tank. After powering up the system, it takes 5 minutes to get the signal of all tanks

# EXPLANATIONS OF DISPLAY



The water level in Tank No-2 is 99% and water is not flowing in tank



The water level in Tank No-1 is 73% and water is not flowing in tank



The water level in Tank No-1 is 73% and water is flowing in tank



The Tank No-1 gets full 100%



Tank No-1 is overflowing



Controller have not received signal of Tank No-1 since last 15 minute



Water level in Sump Tank is 65%