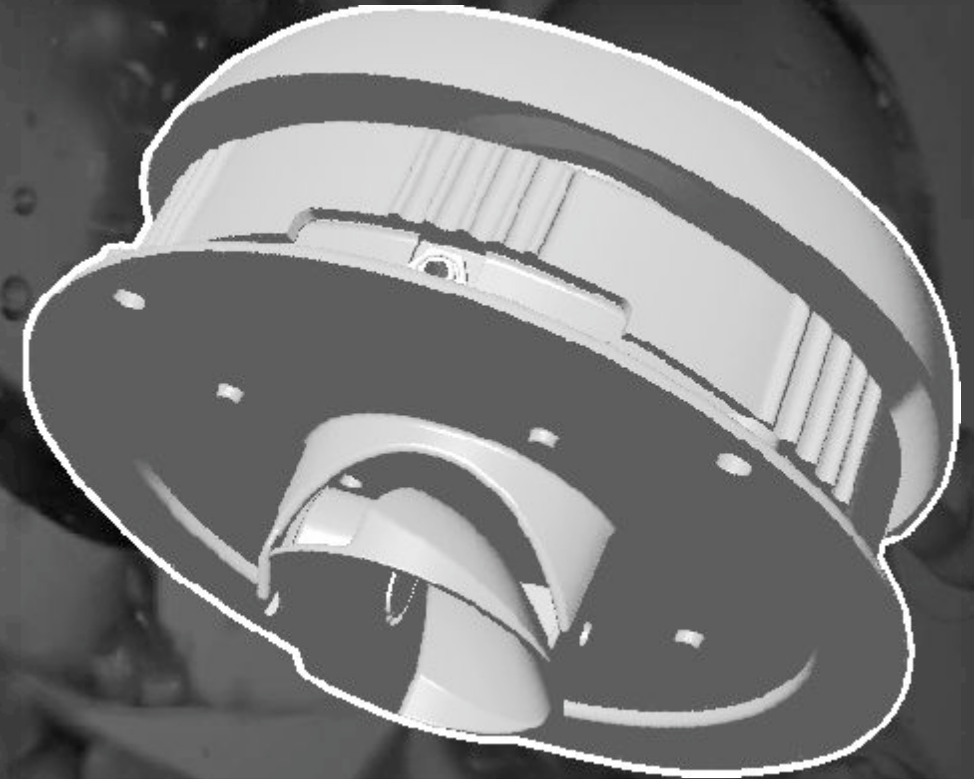


AQUATEL S207

Wireless Water Tank Level Indicator



9. Warranty Terms and Conditions

(This warranty is subject to the provisions of the Trade Practices Act and Goods and Consumer Protection Legislation of various States and Countries)

1/ Aquatel NZ Ltd warrants that the products that we distribute, are free from any manufacturing defects for 12 months from date of purchase. Subject to the conditions of the warranty Aquatel NZ Ltd will repair or replace any defective products free of charge upon return of the faulty product to where you purchased it.

2/ This warranty excludes transportation costs to and from Aquatel NZ Ltd and or place of purchase, it excludes defects due to non-compliance with installation instructions, neglect or misuse, installed outside the operating temperature ranges, operation for purposes other than those for which they were designed. If any further information is required, please contact our tech support team at techsupport@aquatel.co.nz.

3/ This warranty is not transferable to new product and only applies to the original owner, purchaser or end user and is subject to the Trade Practices Act and Goods and Consumer Protection Legislation of various States and Countries.

4/ The warranty commences from the date of purchase of the product, proof of purchase is required before consideration under this warranty will be given. Record your date of purchase, model purchased and where you purchased it for your records. Keep in safe place.

Date of Purchase: _____

Where you purchased: _____

Model: _____

Attach proof of purchase.

Installation Manual

Congratulations on purchasing one of the worlds most advanced wireless domestic water tank level indicators, the Aquatel S207. Aquatel NZ Ltd employs the services of more than 20 specialist staff, electronics engineers, environmental and plastics engineers and many others to ensure that our products give you many reliable years of service.

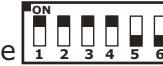
We trust that you will be happy with its performance and welcome your feedback on our website, please visit us at:
www.aquatel.co.nz

How Aquatel S207 Works

The Tank unit transmits an ultrasonic sound wave that echos back from the fluid surface. This sound wave echo is then converted to a height and sent to the Indoor bench unit which then displays as a height indication via LED's on your bench unit.

Range testing

Place blue switch on test mode



This will give the indoor bench unit consistent beeping when in range.

8. Product Specifications

Radio Frequency: 433 MHz FM

Temperature Range: -10 to +60 degrees

Operating Range: Up to 300 meters, max 500 meters Line of Sight

Individually Security Coded: Can work within range of each other without interference

Batteries: 4 x AA Alkaline Tank unit
4 x AA Alkaline Indoor Unit

Bench Unit External Power Jack:  6 volts DC

Tank Unit: Rain Proof

Indoor Bench Unit: Not water proof

Max Detection Range: 3 meters

Minimum Detection Range: 0.2 meter

Estimated Battery Life: 3 Years

Antenna Type: PCB Loop - Bench Unit, External ¼ Wave Whip - Tank Unit

Mounting Tank Hole size: 50 mm

Tank Unit Dimensions: 135mm Diameter x 80mm High

Bench Unit Dimensions: 92mm x 73mm Depth x 50mm High


Fluid Suitability: Water and any other Non Flammable Fluids

Product Meets Standard: AS/NZS 4268:2003 + 1:2005

5. To install your bench unit find a suitable location inside your home. Your tank unit should now be mounted and batteries installed. Press the level button on your bench unit to see the water level in your tank. If you are getting flashing LED's at the top of the indicator, please refer to the fault finding section 7.

6. Your S207 requires very little maintenance. The S207 will tell you when the batteries need to be replaced via a flashing LED, see fault finding section 7.

When you replace the batteries in the tank unit spray or place o-ring lubricant into the o-ring. This will ensure a good weather seal and long life of the o-ring.

7. Error indications will be shown all the time even when button is not pressed and will consist of a blinking LED. To test reception range, place Tank Unit into test mode . You should then reset bench

unit (hold down for 3 seconds until all LED's light up), the bench unit should start to beep. If beeping stops then you have lost signal, move it closer to the Tank Unit. Range can be affected by trees, sheds, houses, walls etc in line with the units.

Top LED Blinking

*No reception Move Indoor Bench unit to another location / Check batteries are installed correctly


Second LED from Top

* Tx battery low - Low Battery Warning - Tank unit batteries need replacing

Third LED from Top

* Rx battery low - Low Battery Warning - Indoor Bench Unit batteries need replacing

Forth LED from Top

* Internal failure - Reset Indoor Bench unit by pressing and holding down button for 3 seconds, this should fix problem, if not then remove batteries from tank unit for 2 min's, re-install the batteries and reset bench unit again. If still no indication place blue switch on tank unit into test mode  and reset bench unit once again.

Fifth LED from Top

*Transponder in Tank Unit cannot range. This can be due to Tank Unit transponder unit not being level with water or obstruction in front of transponder i.e a snail or spider, or extreme humidity.

Sixth LED from Top

*Rapid water loss alarm

3 If your Aquatel S207 still will not work then repeat process once again, if not successful then please contact our customer support team at techsupport@aquatel.co.nz

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1. Before installing your Aquatel S207, please check that all parts are enclosed and in good condition. You will find a list of contents on the outside of the box.

2. To set tank size first remove the heat shield from the tank unit, this will simply pull off. Once heat shield is removed turn the top lid anticlockwise, you should feel a little snip then carefully pull apart. You will find a 6 way blue switch inside next to battery holder. Set this as per the tank size chart enclosed. Ensure 5 and 6 are always in the off position. Before closing unit, install antenna and batteries as per the following instructions. Screw antenna to antenna socket on side of the tank unit. Applying grease or water repellent spray every 12 months will ensure long antenna life.

Water level settings

15 possible settings (+ test mode)

Test mode					
ON					
1 2 3 4 5 6					
Depth in mm	Switch position	Depth in mm	Switch position	Depth in mm	Switch position
1500		2000		2500	
1600		2100		2600	
1700		2200		2700	
1800		2300		2800	
1900		2400		3000	

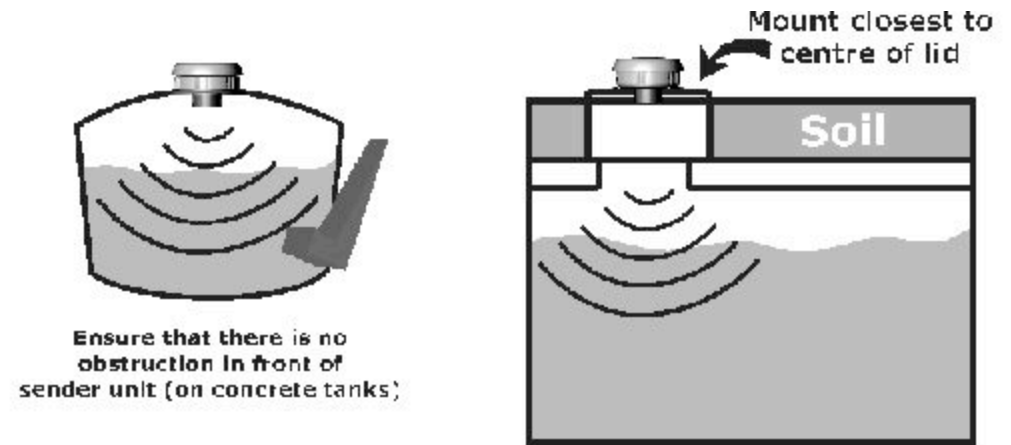
3. Install the batteries into the tank unit. Install batteries into the holder inside.

Make sure all batteries are installed the correct way round as failure to put batteries in correctly may result in fire or explosion. Close the tank unit and re-install heat shield.

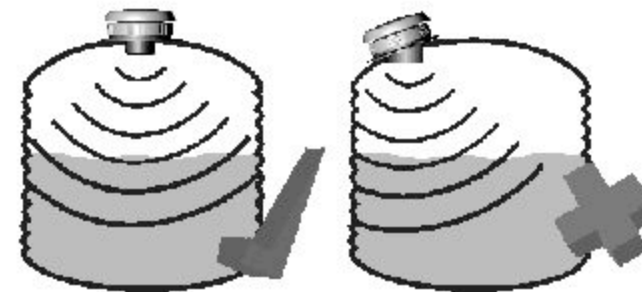
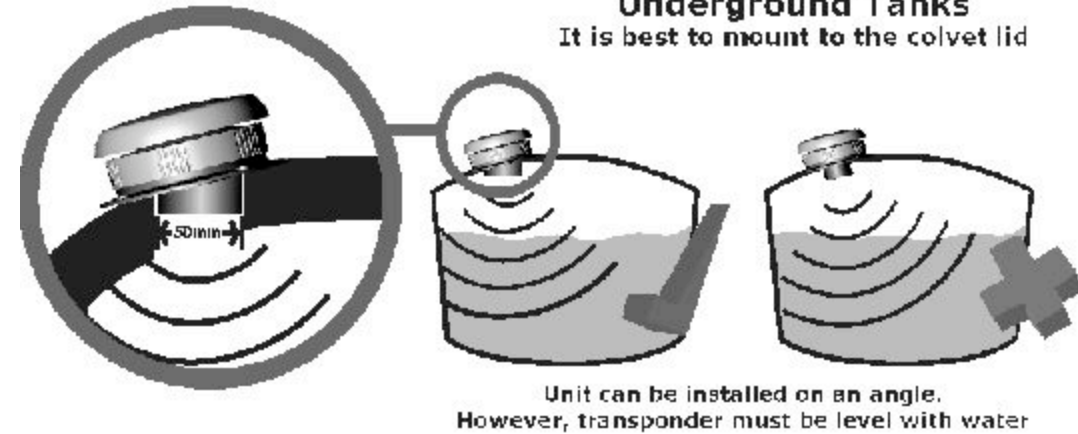
Install the batteries into the bench unit. Turn bench unit upside down. Unclip battery cover and install batteries.

Make sure all batteries are installed the correct way round as failure to put batteries in correctly may result in fire or explosion.

4. Find a suitable mounting location on top of your tank. The diagrams below illustrate where best to mount.



Underground Tanks
It is best to mount to the colvet lid



Corrugated Tanks
Mount away from wall.
It is best to mount closest to the centre of the tank if possible