

Aquatel M107-BT Wireless Tank Level Controller

A complete wireless control system for maintaining the fluid level in a tank.

- ▶ Automatically monitors fluid level.
- ▶ Measures to 4m tank depth.
- ▶ Can be used to fill a tank or empty a drainage sump.
- ▶ Fully wireless- no cables required.
- ▶ To operate a pump, solenoid valve or any other device.
- ▶ Comprising ultrasonic Level Transmitter, Control Unit & separate Display Unit
- ▶ Wireless range, 300m (line of site) can be extended to 1600m using additional antenna or 10km with an antenna at each end.
- ▶ Optional timer mode with 3 programmes, eg. irrigation timing.
- ▶ Individually security coded sets.
- ▶ Temperature Range -10°C to 60°.
- ▶ ABS Housings.



The Tank Unit is mounted on the top surface of the tank (our AQSMB 316 stainless bracket can be used).

It uses ultrasonic signals to detect the fluid level in the tank/cistern & then wirelessly transmits this to the Control Unit which switches the pump or other device at the required level.

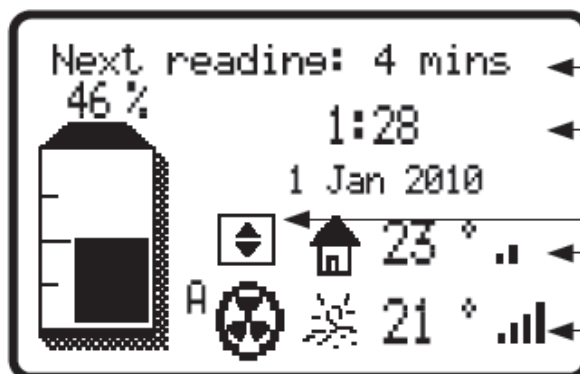
The signal is transmitted to the Display unit, which displays the fluid level & system status on the LCD screen.

The Display System is also used for setting the system settings such as tank/cistern depth, pump switching points & high & low alarms.

Display Unit Status Screen

| | |
|---|----------------|
| A | Auto |
| M | Manual |
| | Pump on |
| | Timer mode off |
| | Timer mode on |

Tank level ▶



Time to next level reading (Status messages)

Current time & date

Irrigation Timer mode

Temperature at display & signal to controller

Temperature at tank unit & signal to controller



Aquatel M107-BT Kit includes



T110 Tank Sender Unit

Non-invasive ultrasonic measurement

Mounted at the top of the tank (stainless steel bracket available as extra)

Level detection range 0.1m – 4m

Requires 4 x AA batteries

¼ Wave Whip Antenna



M107-BT Control Unit

Mains power supply

Wireless connection between the tank unit & the display unit

¼ Wave Whip Antenna



M107-BT Display Unit

Blue backlit display

High & low level alarms

Mains power supply included – or requires 4 x AA batteries

¼ Wave Whip Antenna

Accessories



Tank Mounting Bracket

Constructed from 316 stainless steel

Used to mount the T110 unit inside a tank



Antenna extension cable

Length 3.6m

Used to site the antenna from the D110 or T110 units in a better position for line of sight



Booster antenna

7 element antenna with 3.6m connection cable

Gives up to 10dbi gain.

Single unit increases range to 1600m or 10km if used at both ends

Should be mounted on a mast or roof at least 5ft above ground



Tel: 01239-841458

water-pump.biz, Penstar, Rhoshill, Cardigan, SA43 2TX

www.water-pump.biz

info@water-pump.biz