

AQUA Volume M - Operating & Maintenance Instructions

Mounting Unit to Wall

Position bracket on wall in position required so that 'OKW' and tab is towards the right of the bracket and secure using 2 screws. Position unit on bracket so that tabs on bracket engage in corresponding holes in back of unit. Push unit firmly to the left to lock in place.

To release, push tab, push unit to the right and pull unit away from bracket.

Mounting Pressure Sensor

Drill hole in side of tank at same level as down service connection. Insert tank connector from outside of tank and secure in position by tightening back-nuts on tank connector. Ensure that the pipe on outside of tank is horizontal. Open isolation valve.

Connect pressure sensor to 'Sensor Output' socket on unit using cable supplied

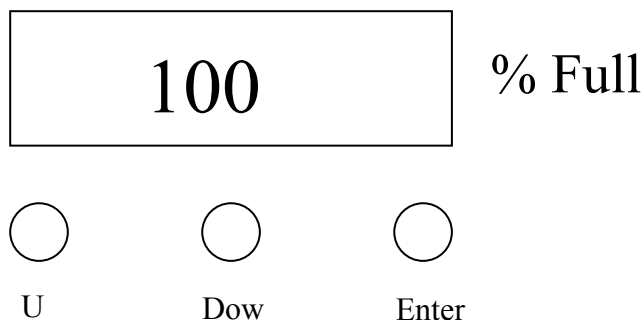
Mains Connection

Unit should be connected via a 6A fused spur to a 230V/50HZ ac supply using the 3-core flying lead (2m length).as follows:

Brown	-	Live
Blue	-	Neutral
Green/yellow	-	Earth

Setting Unit

Button Layout



Initial Setting of Full Level.

Fill tank to normal shut-off level i.e. with float valve closed and close all outlet isolation valves. Switch on power to unit. When switched on for the first time, 'FULL' should be displayed on the LCD display. Press the 'Enter' button once to program the full level. The display should change to show '100' % Full.

Setting Low Warning Level

Low warning level is set at 10% as default. To adjust the low alarm level, scroll through the menu using the 'Up' or 'Down' buttons until display shows 'L. 10 ' and press 'Enter'. The display should start flashing. Adjust the value to the desired level using the 'Up' or 'Down' buttons and press 'Enter' to accept. (Low warning level can only be adjusted in range 1% - 99% in steps of 1%).

When water level drops below low warning level the display will show 'E: LO'

Setting High Warning Level

High warning level is set at 105% as default. To adjust the high warning level, scroll through the menu using the 'Up' or 'Down' buttons until display shows 'H.105' and press 'Enter'. The display should start flashing. Adjust the value to the desired level using the 'Up' or 'Down' buttons and press 'Enter' to accept. (High warning level can only be adjusted in range 101% - 150% in steps of 1%).

When water level increases above high warning level the display will show 'E: HI'

Note: High or low level warning can be connected to a visual or audible alarm on model MA only.

Protecting Unit from Unauthorised Adjustment

To password protect the unit, scroll through the menu using the 'Up' or 'Down' buttons until display shows 'SC:00' and press 'Enter'. The display should start flashing. Adjust the security code to the desired number using the 'Up' or 'Down' buttons and press 'Enter' to accept. (Security code can be adjusted in range 01 to 99 in steps of 1). Once security code is enabled in this way, the code has to be entered in order to change any settings.

Complete Resetting of Unit.

Switch off power to unit and wait for 10 seconds. Switch power back on whilst simultaneously holding down the 'Up' and 'Down' buttons. The display should show '-- --' then revert to 'FULL'. Check float valve closed and outlets are isolated before pressing ENTER to set unit. Alarm levels and security codes will have to be re-entered.

Warning: Complete Resetting will cause all previous settings including security codes to be lost.

Periodic Maintenance.

There is no reason to do any periodic maintenance on this unit unless the reading on the display starts to give inaccurate readings. i.e. When tank is FULL and unit displays other than 100% after resetting.

Cleaning sensor.

Switch off mains power to unit. Close the sensor ball valve, remove sensor housing cover and detach white connection plug from sensor.

Carefully pull the sensor whilst twisting it until it comes out of the sensing tube.

Check the inlet of the sensor for signs of scaling or sludge.

Remove excess contaminants then wash only the port of the sensor in a suitable cleaning fluid for the type of contaminants to be removed e.g. alcohols or fluorinated solvents. **DO NOT IMMERSE SENSOR.**

Before refitting sensor, briefly open the ball valve a little to allow any further sludge to drain out. **DO NOT ALLOW SENSOR PLUG TO GET WET.**

Refit sensor and refit cover on housing.

Reconnect mains power and commission as per above instructions.

Calibration.

Persistent inaccuracies will require factory recalibration. If this is the case then both the unit AND the sensor need to be returned.

Similarly if a new sensor is required the unit needs to be returned so it can be calibrated to the new sensor