

## Specification of the PWA608M, electronic control board for flow monitor

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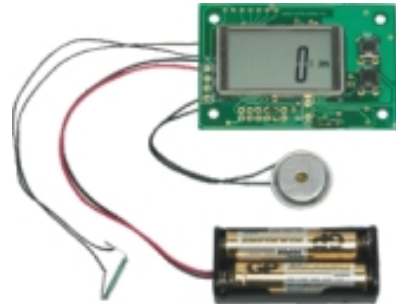
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Features :

- Programmable capacity monitoring
- Programmable elapse time monitoring
- Flow rate indicator
- Battery operated
- Low power consumption
- Easy integration with water purification system



Application :

- ✓ Residential water treatment system
- ✓ Water dispenser
- ✓ Water cooler

1.0 Mechanism :

\* please see attached PDF file.

2.0 Electrical :

Operating voltage : 3V DC, 2x AAA alkaline batteries

Operating current : 0.9 mA

Standby current : 0.05mA

Storage temperature : 5 – 70 °C

Working temperature : 5 – 45 °C

Humidity : 0- 90 %

3.0 Operating Guide

. Setting Filter Capacity and Elapse Time Monitor

Keep pressing Upper button, then press Down button and release both of the buttons. The PWA 608M will go into setting procedure. The digits on the LCD blink to notice you that the setting procedure is on.

. Setting Filter Capacity for Monitoring

Press Upper button to choose the capacity value. The sequence is OFF – 500 – 1000 ... 99000 – 99500 - OFF – 500 (Liter model). Then press Down button to save the filter capacity value. The setting procedure goes into the elapse time value setting.

#### . Setting Elapse Time for Monitoring

Press Upper button to choose the elapse time value. The sequence is OFF - 0 - 30 - 60 - 90 ..... 690 - 720 - OFF - 0 -30. Then press Down to save the value. The setting procedure is completed.

\* Either of the capacity mode or elapse time will be disabled when you choose value as OFF.

\*\* The setting procedure will be terminated, and go back to the original status if there is no input for 10 seconds.

#### . Operating

The PWA608M automatically turns on when the reed switch (sensor) is activated. It automatically turns off in 10 seconds when there is no signal input.

#### . Mode Selection

Press Upper button to display the status of the three modes. The sequence is filter remaining capacity mode, filter remaining elapse time mode and flow rate mode.

#### . Alert

.. Near End o Life Alert : When filter remaining capacity is less than 100 liters or filter remaining elapse time is less than 7 days, the buzzer beeps once and the digits on the LCD blink to notice that the cartridge is near its end of life. .

End of Life Alert : When filter remaining capacity reaches 0 liter or filter remaining elapse time reaches 0 day, the buzzer beeps twice and the digits on the LCD blinks to notice that the filter cartridge reaches its end of life.

After change the filter cartridge, press Down button. The PWA608M is reset to the original filter remaining capacity and remaining elapse time value, and start monitoring filter again.

#### . Low Battery Power Alert

When the battery power is lower than normal working level, the buzzer beeps twice and the empty battery symbol on the LCD blinks to notice that the batteries should be replaced. Once the batteries are replaced, the alert is released. The data is kept in memory and stored back when the batteries is replaced.