

# Savant AS-414BR, Auto Shut Off Valve for Water Leak

SAVANT ELECTRONICS INC.

1670-3, Sec.1. Huanzhong road, Taichung 40761, Taiwan

Tel : 886 4 2425 5578 Fax : 886 4 2425 0396

Email : [savantco@ms65.hinet.net](mailto:savantco@ms65.hinet.net)

Website : [www.digisavant.com](http://www.digisavant.com)

## Features :

- Auto shut off water when water leak is detected
- 9V alkaline battery operated
- Auto shut off when battery power is low
- Easy installation
- Protection for water filter, water softener, home appliance.



## 1.0 Specification :

Operating voltage : 9V DC

Supply current : typical 1.0 mA, maximum 15.0 mA.

Cable length : 1.5 M for solenoid valve cord

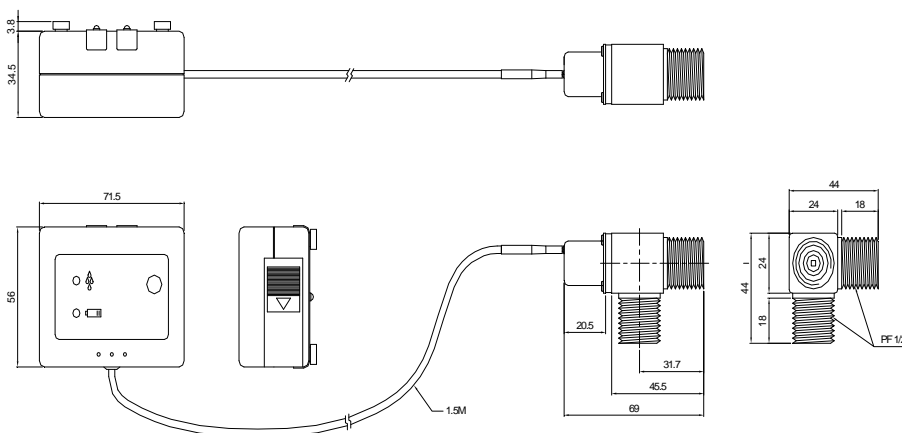
Connecting : 1/2" BSP male, brass valve

Water leak detecting method : Control unit with detecting metal put on the floor near water filter

Environment temperature : -20 ~ 80°C

Maximum Pressure : 8 Bar

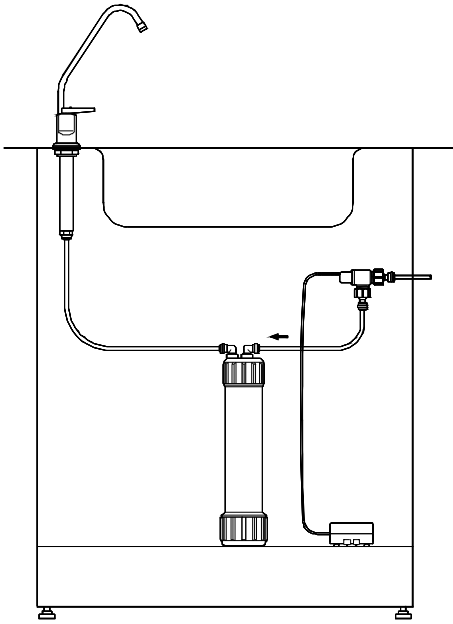
Mechanism :



## 2.0 Operating instruction

### 2.1 Installation :

Install the proper fitting with the solenoid valve. The thread of solenoid valve is 1/2" BSP male. Then connect the inlet tube of the water treatment system with the solenoid valve.



### 2.2 Operation

#### 2.2.1 Reset to work

Keep pressing button for 4 seconds, the control unit activates solenoid valve to open the inlet tube of water treatment system, and generates a long beep sound.

#### 2.2.2 Auto shut off when water leak is detected

The control unit shuts activate solenoid valve to shut off the inlet tube of the water treatment system to block water flow, and generates an acoustic signal, "beep-beep" , and blinks the blue light continuously to notify the water leak is detected. After the leakage problem is solved, keep pressing button for 4 seconds, the control unit activates solenoid valve to open the inlet tube of water treatment system again with a long beep sound.

#### 2.2.3 Low power shut off

When the battery power is low, the control unit shuts off the inlet tube of the water treatment system, blinks red light and generates an acoustic signal "beep" to notify that the battery needs to be replaced to keep water leak protection be functional.