



# MA-WFS Series (ULFM)

## Water Flow Detector with Retard

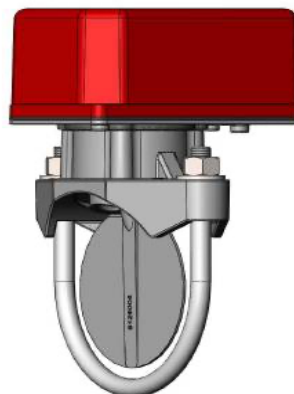
### ENGINEERING SPECIFICATIONS

The **MA-WFS** water flow detectors shall be installed on system piping as designated on the drawing and/or as specified herein. Water flow indicators shall mount on any clear pipe span of the appropriate normal size, either a horizontal or vertical pipe. The indicators shall have a sensitivity in the range of 4-10 gallons per minute and a static pressure rating up to 450psi for 2"-8" (50mm thru 200mm) pipes. The indicator shall respond to water flow in the specified direction after a preset time delay that is field adjustable. The retard structure shall be a sealed mechanical pneumatic unit with visual time delay adjustment

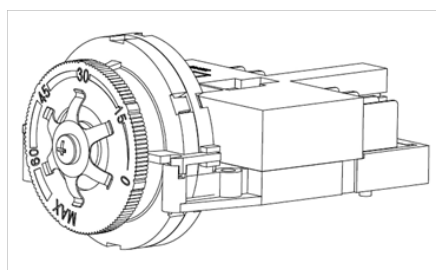
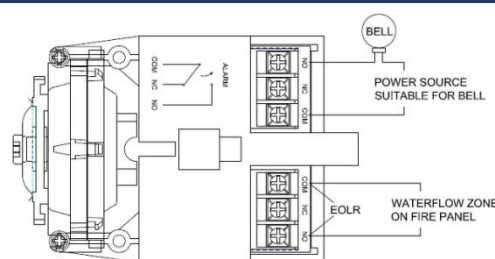
**NOTE:** Cover material is Aluminum, alternative Plastic Cover.

### FEATURE & SPECIFICATION

<b>Working Pressure</b>	Max3.1Mpa (450psi)
<b>Operating Temperature</b>	4.5°C to 49°C (40° F to 120°F)
<b>Sensitivity</b>	15.0-37.5L/min (4-10GPM)
<b>Maximum Surge</b>	5.5m/s (18FPS)
<b>Contact Rating</b>	Two sets of SPDT (Form C) 10.1A@125/250VAC 2A@24VDC
<b>Enclosure Rating</b>	NEMA 4- suitable for indoor/outdoor
<b>Tamper Device</b>	Special tamper screws to prevent disassembly
<b>Compatible Pipe</b>	Steel pipe, schedule 10 through 40
<b>Standard</b>	GB5135.7-2018 & FM1042-2016&UL346
<b>Retard Structure</b>	Time delay adjustment via rotate dial
<b>Two sets Micro-switch</b>	100% synchronization



### TYPICAL ELECTRICAL CONNECTIONS & TIME DELAY ADJUSTMENT



**Retard Structure can be set from "0" to "MAX" position, delay time can be set from 0~90s**

### MODEL & SIZE

Model	Description	Pipe Size	Hole Size
<b>MA-WFS-2</b>	Vane-Type Water flow indicator	50mm (2")	31.8mm(1-1/4")
<b>MA-WFS-2.5</b>	Vane-Type Water flow indicator	65mm (2.5")	31.8mm(1-1/4")
<b>MA-WFS-3</b>	Vane-Type Water flow indicator	80mm (3")	50.8mm(2")
<b>MA-WFS-4</b>	Vane-Type Water flow indicator	100mm (4")	50.8mm(2")
<b>MA-WFS-6</b>	Vane-Type Water flow indicator	150mm (6")	50.8mm(2")
<b>MA-WFS-8</b>	Vane-Type Water flow indicator	200mm (8")	50.8mm(2")