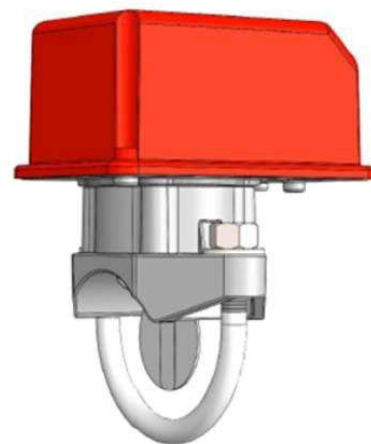


## UL/FM WATER FLOW DETECTOR WITH RETARD

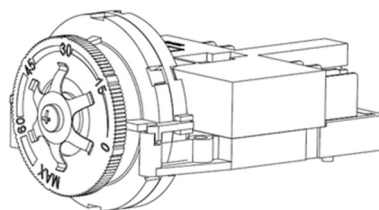
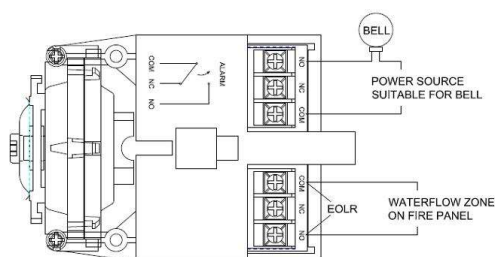
The KSFCO brand KSWFD Series water flow indicators shall be installed on system piping as designated on the drawing and/or as specified herein. Water flow indicators shall mount on any clear pipe span of the appropriate normal size, either a horizontal or vertical pipe. The indicators shall have a sensitivity 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.



### Features and Specifications

<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>Retard Structure</b>	Time delay adjustment via rotate dial
		<b>Two sets Micro-switch</b>	100% synchronization
<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>Standards</b>	FM1042-2016&UL346

### Typical Electrical Connections and Time Delay Adjustment



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

### Model and Size

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