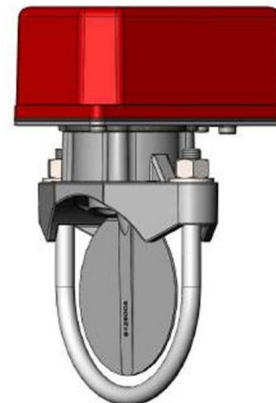


WFAR Series Water Flow Detector with Retard

Engineering Specifications

The WFAR water flow detectors shall be installed on system piping as designated on the drawing and/or as specified herein. Water flow detectors shall mount on any clear pipe span of the appropriate normal size, either a horizontal or vertical pipe. The detectors 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 detector 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.

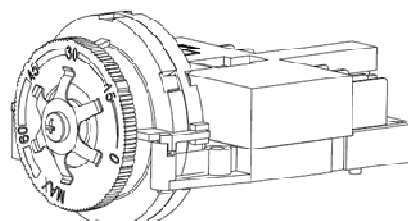
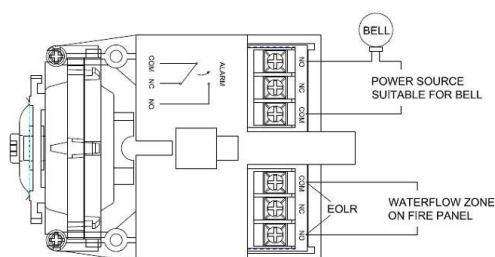
Note: Cover material is Aluminum, alternative Plastic Cover.



Features and Specifications

Working Pressure	Max3.1Mpa (450psi)	Operating Temperature	4.5°C to 49°C (40° F to 120°F)
Sensitivity	15.0-37.5L/min (4-10GPM)	Maximum Surge	5.5m/s (18FPS)
Contact Rating	Two sets of SPDT (Form C) 10.1A@125/250VAC 2A@24VDC	Retard Structure	Time delay adjustment via rotate dial
Enclosure Rating	NEMA 4- suitable for indoor/outdoor	Two sets Micro-switch	100% synchronization
Compatible Pipe	Steel pipe, schedule 10 through 40	Tamper Device	Special tamper screws to prevent disassembly
Standards			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
WFAR-2	Vane-Type Water flow detector	50mm (2")	31.8mm(1-1/4")
WFAR-2.5	Vane-Type Water flow detector	65mm (2.5")	31.8mm(1-1/4")
WFAR-3	Vane-Type Water flow detector	80mm (3")	50.8mm(2")
WFAR-4	Vane-Type Water flow detector	100mm (4")	50.8mm(2")
WFAR-6	Vane-Type Water flow detector	150mm (6")	50.8mm(2")
WFAR-8	Vane-Type Water flow detector	200mm (8")	50.8mm(2")