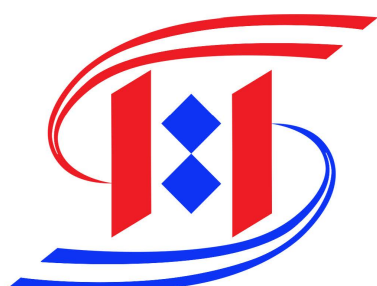


مشاوره، نظارت و اجرای سیستم‌های آتش نشانی



آبادگستر تاسیسات ایرانیان (آتا)
Abad Gostar Tasisat Iranian Co., LTD



فروش و تجهیز سیستم‌های اعلام و اطفاء حریق

۰۲۱-۹۱۳۰۵۰۶۸

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تجاری اداری گل‌دیس - واحد ۱۳۱۳ - کد پستی ۱۴۵۱۷۹۶۹۸۱



WFD Series Waterflow Detector

The System Sensor WFD series is compatible with schedule 10 through 40 steel pipe, sizes 2" through 8", and can be mounted in a vertical or horizontal position.



Features

- Two-inch mounting hole provided in new WFD30-2 models
- UL-listed models are NEMA 4 rated
- Sealed retard mechanism immune to dust and other contaminants
- Visual switch activation
- Field-replaceable retard mechanism and SPDT switches
- Rugged, dual SPDT switches enclosed in a durable terminal block
- Accommodates up to 12 AWG wire
- Designed for both indoor and outdoor use
- 100 percent synchronization activates both alarm panel and local bell
- Tamper-resistant cover screws

Robust Construction. The WFD series consists of a rugged, NEMA 4-rated enclosure. Designed for both indoor and outdoor use, the WFD series operates across a wide temperature range, from 32°F to 120°F.

Reliable Performance. UL-listed models are equipped with tamper-resistant cover screws to prevent unauthorized entry. Inside, two sets of SPDT (Form C) synchronized switches are enclosed in a durable terminal block to assure reliable performance.

False Alarm Immunity. The WFD series incorporates a mechanical retard feature, which minimizes the risk of false alarm due to pressure surges or air trapped in the sprinkler system. In addition, the mechanical retard's unique sealed design is immune to dust and other contaminants.

Simplified Operation. The WFD series is designed to simplify installation. Two conduit openings permit easy attachment to the local alarm system. The retard mechanism and dual SPDT switches are field-replaceable.

Agency Listings



شرکت آبادگستر تاسیسات ایرانیان

آدرس دفتر مرکزی: ایران - تهران - بزرگراه شهید آیت الله اصفهانی - خیابان پیامبر شرقی

خیابان شاهد - خیابان گلستان بیست و ششم - پلاک یک - واحد پنج - کد پستی ۱۴۷۳۶۸۷۷۸۵

تلفن همراه: ۰۹۸۹۳۹۹۶۰۳۸۰۰

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Waterflow Detector Specifications

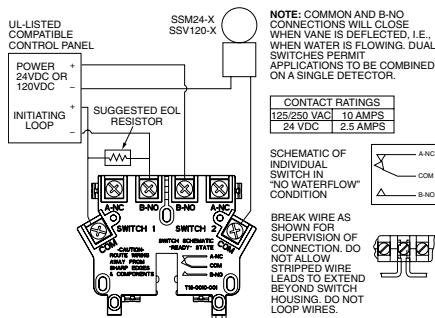
Engineering Specifications

Vane-type waterflow detectors shall be installed on system piping as designated on the drawing and/or as specified herein. Detectors shall mount on any clear pipe span of the appropriate nominal size, either a vertical upflow or horizontal run, at least 6" from any fittings that may change water direction, flow rate, or pipe diameter or no closer than 24" from a valve or drain. Detectors shall have a sensitivity in the range of 4 to 10 gallons per minute and a static pressure rating of 450 psi* for 2" – 8" pipes. The detector shall respond to waterflow in the specified direction after a preset time delay that is field adjustable. The delay mechanism shall be a sealed mechanical pneumatic unit with visual indication of actuation. The actuation mechanism shall include a polyethylene vane inserted through a hole in the pipe and connected by a mechanical linkage to the delay mechanism. Outputs shall consist of dual SPDT switches (Form C contacts). Two conduit entrances for standard fittings of commonly used electrical conduit shall be provided on the detectors. A grounding provision is provided. Unless noted, enclosures shall be NEMA 4 listed by Underwriters Laboratories Inc. All detectors shall be listed by

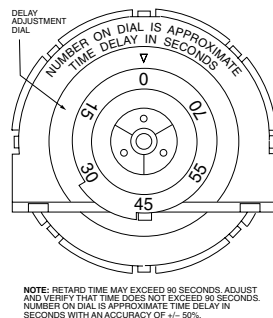
Standard Specifications

Static Pressure Rating	450 PSI*		
Maximum Surge	18 Feet Per Second (FPS)	Enclosure Rating*	NEMA 4 – suitable for indoor/outdoor use
Triggering Threshold Bandwidth (Flow Rate)	4–10 GPM	Cover Tamper Switch	Standard with ULC models, optional for UL models, part no. 546-7000
Conduit Entrances	Two openings for ½" conduit. One open, one knock-out type	Service Use	Automatic Sprinkler: NFPA-13 One or Two Family Dwelling: NFPA 13D Residential Occupancies up to 4 Stories: NFPA 13R National Fire Alarm Code: NFPA-72
Contact Ratings	Two sets of SPDT (Form C) 10.0 A, ½ HP @ 125/250 VAC 2.5 A @ 6/12/24 VDC	U.S. Patent Numbers	5,213,205
Compatible Pipe	Steel water pipe, schedule 10 through 40	Warranty	3 Years

WFD Field Wiring Diagram

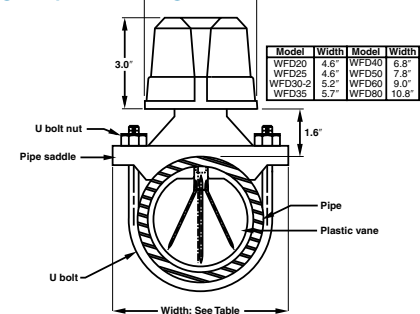


Delay Adjustment Dial



Overall Dimensions, Installed

Operating Temperature Range: 32°F to 120°F (0°C to 49°C)



Ordering Information

UL Model	ULC Model	Pipe Size	Hole Size	Shipping Weight
WFD20	WFD20A	2"	1 ¼"	4.2 lbs.
WFD25	WFD25A	2 ½"	1 ¼"	4.3 lbs.
WFD30-2	WFD30-2A	3"	2"	4.5 lbs.
WFD35	WFD35A	3 ½"	1 ¼"	4.7 lbs.
WFD40	WFD40A	4"	2"	5.2 lbs.
WFD50	WFD50A	5"	2"	6.3 lbs.
WFD60*	WFD60A	6"	2"	6.8 lbs.
WFD80*	WFD80A	8"	2"	7.5 lbs.

Accessories

A3008-00	Retard mechanism
A77-01-02	Terminal block
546-7000	Tamper-proof switch kit
WFDW	Tamper-proof wrench for cover
WFDN4	Gasket kit

*Maximum pressure rating 400 psi as approved by Factory Mutual.



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Product specifications subject to change without notice. Visit systemsensor.com for current product information, including the latest version of this data sheet.
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آباد گستر تاسیسات ایرانیان (آت)
Abad Gostar Tasistat Iranian Co., Ltd

شرکت آباد گستر تاسیسات ایرانیان

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خیابان شاهد - خیابان گلستان بیست و ششم - پلاک یک - واحد پنج - کد پستی ۱۴۷۳۶۸۷۷۸۵

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