

FEATURES

- ✓ Improved water sealing
- ✓ Directional cover to easily see the direction of flow
- ✓ Sealed retard mechanism
- ✓ Visual and audible switch activation
- ✓ Rugged dual SPDT switches enclosed in a durable terminal block
- ✓ Designed for both indoor/outdoor use
- ✓ Tamper resistant cover screws
- ✓ T Tap version also available
- ✓ Accommodates up to 12AWG wire
- ✓ Switch synchronisation activates both alarm panel and local bell/horn/strobe



PRODUCT DESCRIPTION

The WFD series sprinkler flow switches consists of a rugged, weatherproof enclosure. Designed for both indoor and outdoor use, the WFD series operates across a wide temperature range, from 0°C to 49°C.

Reliable Performance – UL, FM and ActivFire Listed with tamper resistant cover screws to prevent unauthorised entry. Inside, two sets of change-over contacts are enclosed in a durable terminal block to ensure reliable performance.

The WFD series incorporates a mechanical retard feature, which minimises 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.

The WFD series is designed to simplify installation. Two conduit openings permit easy attachment to the local alarm system.

The WFDT is a "T Tap" unit and comes with 12 flexible plastic paddles to fit 1", 1¼", 1½", and 2" tees. Sizes are marked clearly on the paddles for ease of installation. Plastic paddles slip over the actuating lever and are securely fastened with one screw. The handy depth gauge insures the proper installation depth and clearance of the detector to the tee.

Note: When mounting the Flow Switch vertically or horizontally upflow of the run, the flow switch must be at least 160mm in from any fitting that may change water direction, flow rate, or pipe diameter or no closer than 610mm from a valve or drain.

TECHNICAL SPECIFICATIONS

Static pressure rating	450 PSI (3102 KPa)
Operating temperature range	0°C to 66°C
Maximum surge	5.4m / second (18ft/sec)
Enclosure rating	NEMA 4* Suitable for indoor/outdoor use
Triggering threshold bandwidth (flow rate)	15-38L/min. (4-10 GPM)
Contact ratings	Two sets of change-over: 10.0A (½ HP) @ 250VAC 2.5A @ 24Vdc
Compatible pipe	Steel water pipe, schedule 10 through 40

*NEMA rating refers to the rating of protection against corrosion resistance and atmospheric gases.

ORDERING INFORMATION

Model	Pipe size	Hole size
SSW-WFD20	2" (50mm)	1¼" (30mm)
SSW-WFD25	2 ½" (65mm)	1¼" (30mm)
SSW-WFD30-2	3" (80mm)	2" (50mm)
SSW-WFD40	4" (100mm)	2" (50mm)
SSW-WFD60	6" (150mm)	2" (50mm)
SSW-WFD80	8" (200mm)	2" (50mm)
SSW-WFDT	T TAP - To Suit 1", 1 ¼", 1½" 2" Tees	N/A

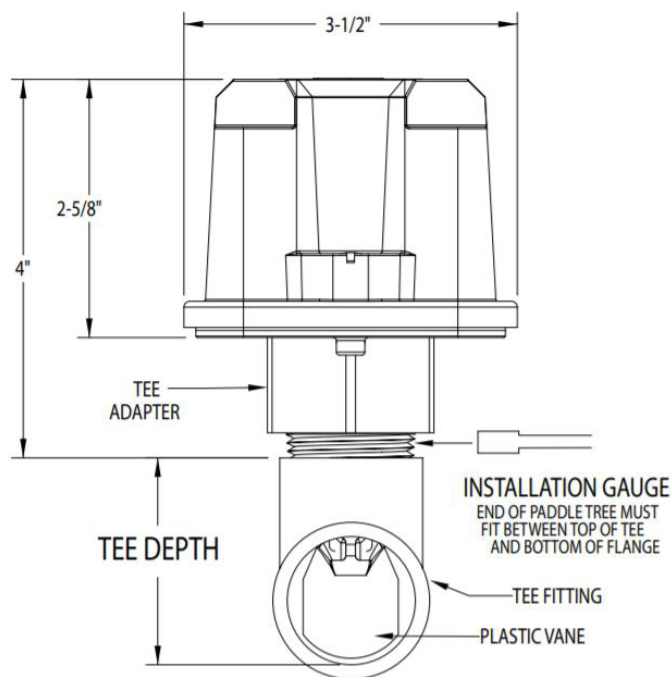
APPROVALS

- ✓ SSL Approved
- ✓ ActivFire certified - WFD Listing No. afp-2306
- WFDT Listing No. afp-2307
- ✓ FM Approved*
- ✓ UL Approved

*Product is manufactured by System Sensor (Honeywell) who hold the FM approval.

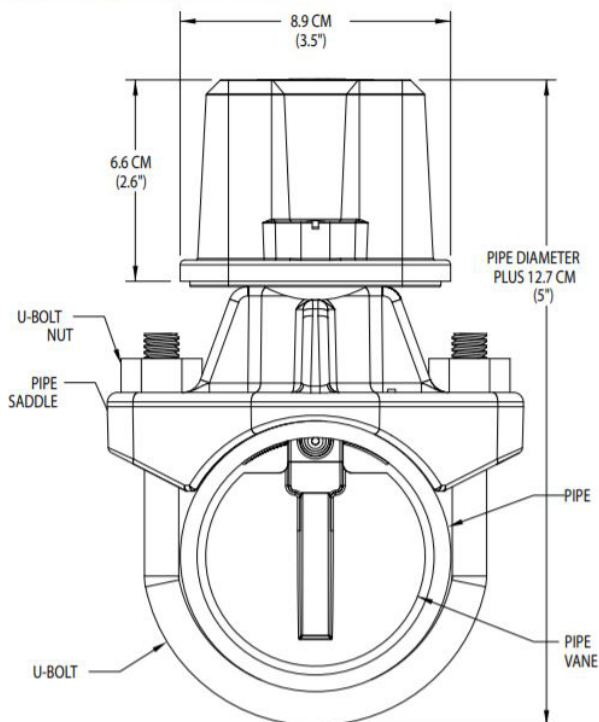


WFDT DIMENSIONS



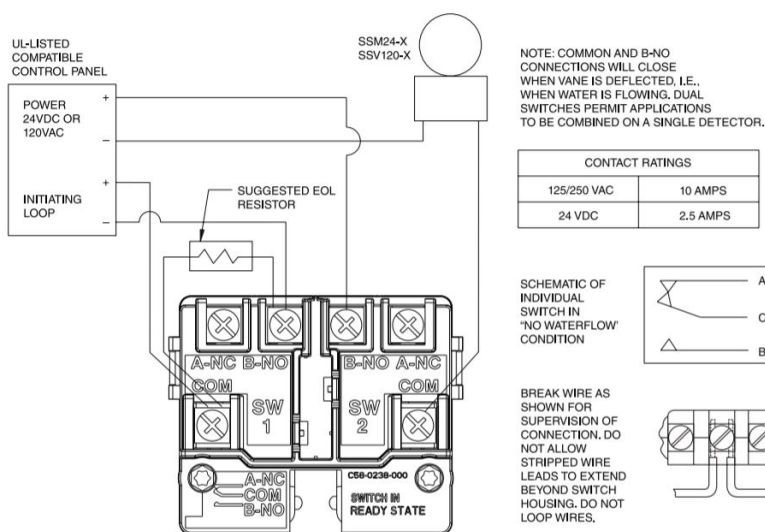
DESIGNED TO FIT WITHIN 2 X 4 STUD WALL CONSTRUCTION

WFD DIMENSIONS

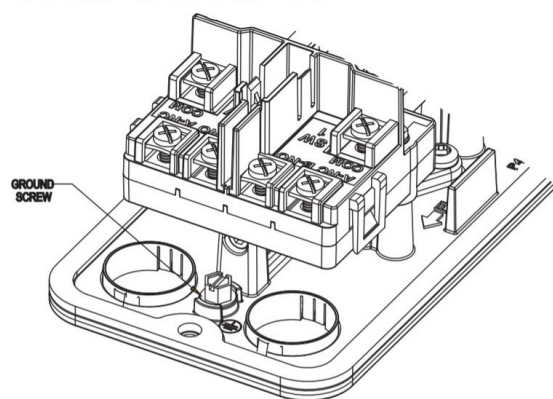


OVERALL WIDTH = PIPE DIAMETER + 6.4 CM (2.5")

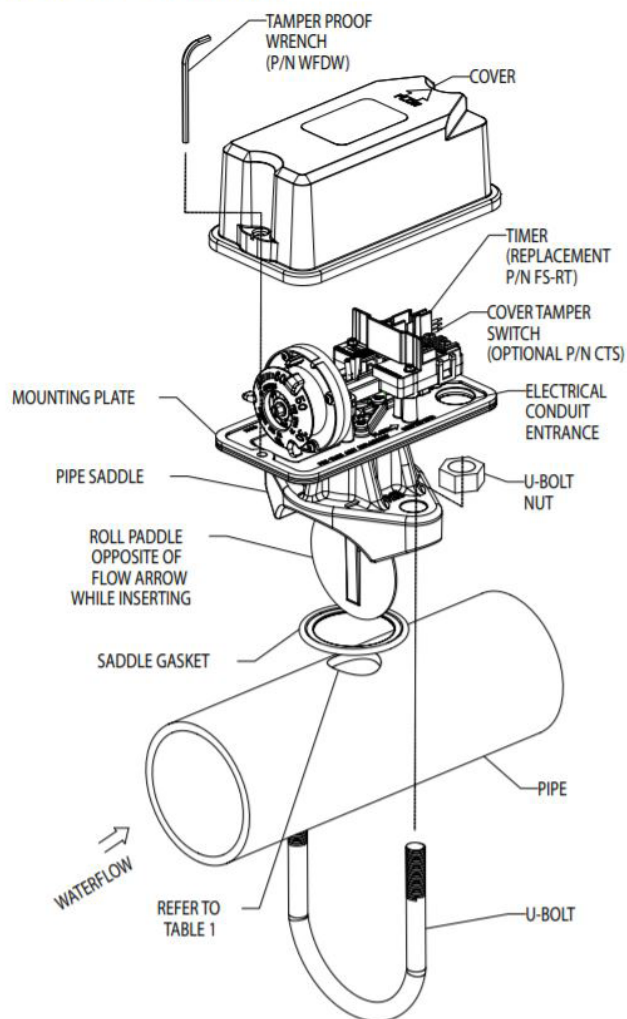
WIRING DIAGRAM (WFD & WFDT)



KNOCKOUT PLUG (WFD & WFDT)



WFD ASSEMBLY DIAGRAM



WFDT ASSEMBLY DIAGRAM

