



WATERFLOW DETECTOR

Waterflow Detector Threaded / Model WFDTH



Features

- Residential sprinkler systems
- Sealed retard mechanism
- Visual switch activation
- Rugged, dual SPDT switches enclosed in a durable terminal block
- Easy to install and maintain design
- Vertical or horizontal mount
- Field replaceable retard mechanism and switch assembly
- Twelve different flexible paddles
- Durable, tamper resistant enclosure
- Two conduit openings
- Handy depth gauge
- Accommodates up to 12 AWG wire
- 100% synchronization fires alarm panel and local bell simultaneously

Design. The design of the WFDTH makes it easy to install and simple to maintain. It can be mounted in the vertical or horizontal position. Two conduit openings permit easy attachment to the local alarm system. The retard mechanism and switch assembly are fieldreplaceable.

Features. Twelve different flexible paddles fit 1", 1.1", 1.5", and 2" tees. Sizes are marked clearly on the paddle 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.

Construction. The WFDTH includes a durable and tamper resistant enclosure. Its sealed retard assures that the delay mechanism is not contaminated by dust and dirt when the cover is removed. The long lasting cover completely encloses the electrical components to further keep out dust and dirt. Improved self-guiding security screws and removal tools make detectors resistant to tampering and simplify field maintenance.

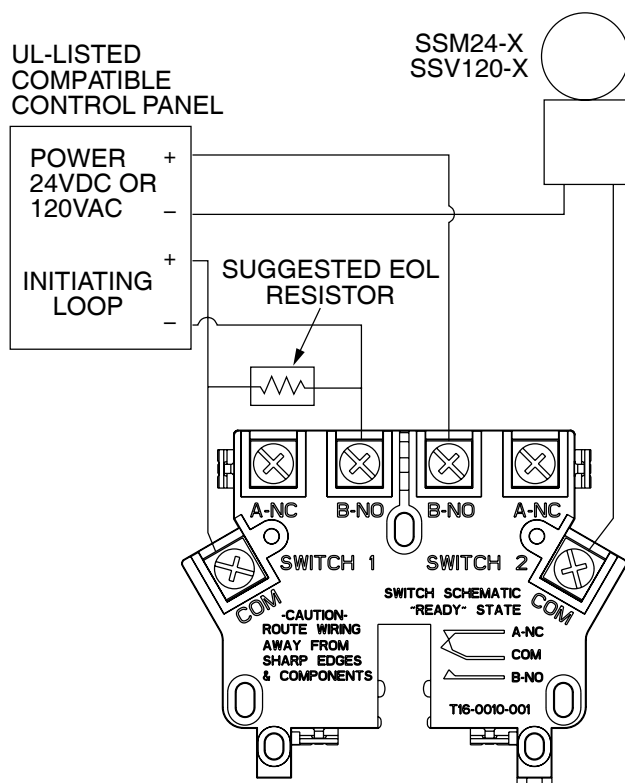
Specifications

Static Pressure Rating	: 250 PSI (max.)
Maximum Surge	: 18 FPS
Triggering Threshold Bandwidth (Flow Rate)	: 4-10 GPM
Overall Dimensions, Installed	: 11.4cm H × 9cm W × 17cm L
Contact Ratings	: Two sets of SPDT (Form C) — 10.0 A @ 125/250 VAC — 2.5 A @ 24 VDC
Compatible Tee Fittings	: Threaded ferrous and brass tees, copper Sweat tees, CPVC tees, and polybutylene tees
Conduit Entrances	: Two openings for 1/2" conduit
Operating Temperature Range	: 32°F to 120°F (0°C to 49°C)
Enclosure Rating	: UL listed for indoor use
Cover Tamper Switch	: Canadian models only, factory installed
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
Shipping Weight	: 1.2 kg



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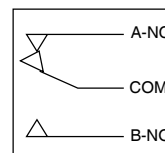
Wiring Diagram



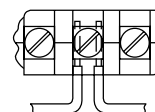
NOTE: COMMON AND B-NO CONNECTIONS WILL CLOSE WHEN VANE IS DEFLECTED, I.E., WHEN WATER IS FLOWING. DUAL SWITCHES PERMIT APPLICATIONS TO BE COMBINED ON A SINGLE DETECTOR.

CONTACT RATINGS	
125/250 VAC	10 AMPS
24 VDC	2.5 AMPS

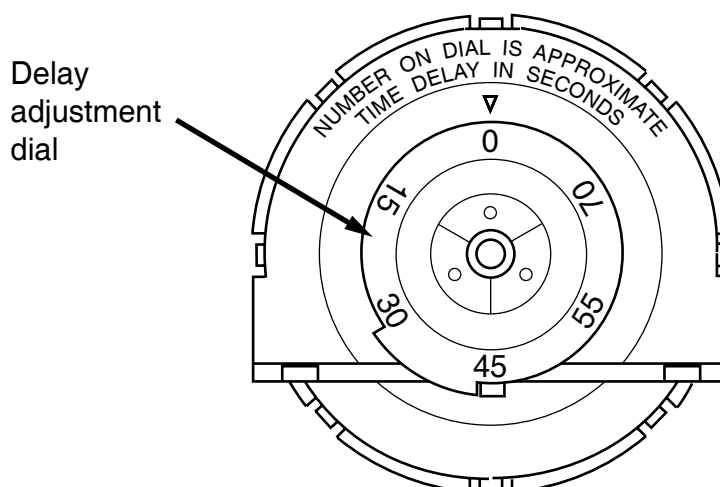
SCHEMATIC OF
INDIVIDUAL
SWITCH IN
"NO WATERFLOW"
CONDITION



BREAK WIRE AS
SHOWN FOR
SUPERVISION OF
CONNECTION. DO
NOT ALLOW
STRIPPED WIRE
LEADS TO EXTEND
BEYOND SWITCH
HOUSING. DO NOT
LOOP WIRES.



Delay Adjustment Dial



NOTE: Retard time may exceed 90 seconds.
Adjust and verify that time does not exceed 90 seconds.