



# VSR-AT *Waterflow Alarm Switch with Auto Test Feature*



The VSR-AT is a flowswitch with an electronic retard that can be tested remotely without discharging water from the sprinkler system. When the auto test feature is initiated, the VSR-AT performs a self test to ensure compliance with UL and FM requirements regarding waterflow detection, retard time, and paddle integrity.

A successful test will momentarily activate both sets of normally open contacts on the flow switch. If the auto test detects a problem with the paddle/trip stem assembly or if there is no water in the pipe, neither switch contact will activate and the flowswitch will indicate a trouble condition at the test switch and transmit a trouble signal to the fire alarm panel.

- ✓ **No water discharge**
- ✓ **Easy push button testing**
- ✓ **All low voltage DC wiring**
- ✓ **Saves time and money!**

## Product Features

### UL, CUL, and FM Approved

- Service Pressure** ..... 450 PSI (31 BAR) - UL
- Flow Sensitivity Range for Signal** ..... 4-10 GPM (15-38 LPM) - UL
- Maximum Surge** ..... 18 FPS (5.5 m/s)
- Contact Ratings** ..... 2.5 AMP @ 125/250 VAC & 30 VDC
- Power Requirements** ..... 24 VDC
- Typical Current Draw** ..... Standby 20mA, Alarm 65mA, Autotest 120mA
- Conduit Entrances** ..... Two knockouts provided for 1/2" conduit

### Environmental Specifications

- NEMA 4/IP54 Rated Enclosure suitable for indoor or outdoor use with factory installed gasket and die-cast housing when used with appropriate conduit fitting
- Temperature Range ..... 40°F - 120°F, (4.5°C - 49°C) - UL
- Non-corrosive sleeve factory installed in saddle.

### Service Use

- Automatic Sprinkler ..... NFPA-13
- One or two family dwelling ..... NFPA-13D
- Residential occupancy up to four stories ..... NFPA-13R
- National Fire Alarm Code ..... NFPA-72

## Ordering Information

The same model works for horizontal or vertical installations, with water flowing up/down and left/right-handed flow, as well as with any conventional or addressable fire panel. All you need to know is the size of pipe.

Nominal Pipe Size	Model	Part #	Replacement PCB #	
2"	DN50	VSR-AT-2	1116102	1029074
2 1/2"	DN65	VSR-AT-2 1/2	1116125	1029075
3"	DN80	VSR-AT-3	1116103	1029076
3 1/2"	-	VSR-AT-3 1/2	1116135	1029077
4"	DN100	VSR-AT-4	1116104	1029078
5"	-	VSR-AT-5	1116105	1029079
6"	DN150	VSR-AT-6	1116106	1029080
8"	DN200	VSR-AT-8	1116108	1029081

### Options for Remote Testing: Ordering Information

Model	Description	Part Number
ATC-1	Single Zone Test Control	1000221
ATC-4	Four Zone Test Control	1000224