



British Manufacturer & Supplier of Fire
Sprinklers & Fire Suppression Equipment



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ELECTRICAL SWITCHES: WATER
FLOW & PRESSURE



Products > Electrical Switches: Water flow & Pressure

VSR-AT Vane Type Water Flow Switch



APPROVALS	FM Approved, UL Listed, LPCB and CE Approved
WORKING PRESSURE	UL & FM - 31 bar (450 psi), LPCB - 16 bar (230 psi)
TEMPERATURE RANGE	4.5°C to 49°C (40°F to 120°F)
CONDUIT ENTRANCES	Two knockouts provided for 1/2" conduit.
MAXIMUM SURGE	5.5 m/s (18 FPS)

Size

Please Select

Quantity

1



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Description

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The model RDVSR-AT (EU) is an electronic vane type waterflow switch for use on wet sprinkler systems. It is UL Listed for use on steel pipe schedules 5 through 40 sizes 50mm to 150mm (2"-6"), UL Listed and FM Approved for use on steel pipe; schedule 10 through 40, sizes 50mm thru 200mm (2"-8") and BS1387 light through heavy. See ordering Information chart.

The RDVSR-AT (EU) may also be used as a sectional waterflow detector on large systems. The RDVSR-AT (EU) has two sets of alarm contacts and an adjustable instantly recycling electronic retard. The alarm contacts are actuated when a flow of 38 LPM (10 GPM) or more occurs downstream of the device. The flow condition must exist for a period of time necessary to overcome the selected retard time. The RDVSR-AT (EU) may be remotely tested without flowing water by using the optional Auto Test Control model ATC-1 or ATC-4 or the use of addressable relays and monitor modules as part of a listed addressable fire alarm panel.

When the auto test feature is initiated, the RDVSR-AT (EU) performs a self test to ensure compliance with UL requirements regarding waterflow detection and retard time. In addition, the auto test feature ensures the integrity of the paddle/trip stem assembly. A successful completion of the auto test will activate both sets of normally open contacts on the flow switch. If the auto test detects a problem with the trip stem/paddle assembly or if there is no water in the pipe, neither normally open contact will operate and the flow switch will indicate a trouble condition at the test switch and transmit a trouble signal to the fire alarm panel.



Assessed to BS EN 54-1:2015
Certificate No. 144

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