

WATERFLOW ALARM SWITCH (POTTER)



Description

The Potter Waterflow Alarm Switch Model VSR is a vane type waterflow switch for use on water mist systems. It is UL Listed and FM Approved for use on steel pipe; schedules 10 through 40, sizes 2" through 3" (50 mm through 80 mm). LPC approved sizes are 2" through 3" (50 mm through 80 mm).

The VSR may also be used as a sectional waterflow detector on large systems. The VSR contains two single pole, double throw, snap action switches and an adjustable, instantly recycling pneumatic retard. The switches are actuated when a flow of 10 GPM (38 LPM) or more occurs downstream of the device. The flow condition must exist for a period of time necessary to overcome the selected retard period.

The VSR switches and retard device are enclosed in a general purpose, die-cast housing. The cover is held in place with two tamper resistant screws which require a special key for removal. A field installable cover tamper switch is available as an option which may be used to indicate unauthorized removal of the cover.

Specifications

Fike Part Number	02-15337-1 (2") 02-15337-2 (2 1/2") 02-15337-3 (3")
Service Pressure	450 psi (31 bar)
Flow Sensitivity Range for Signal	4-10 gpm (15-38 lpm)
Maximum Surge	18 fps (5.5 m/s)
Contact Ratings (Two sets of SPDT Form C)	10.0 Amps at 125/250VAC
	2.0 Amps at 30VDC Resistive
	10 mA min. at 24VDC
Conduit Entrances	Two knockouts provided for 1/2" conduit
Enclosure Rating	NEMA 4 / IP54 (indoor or outdoor)
Temperature Range	40°F – 120°F (4.5°C – 49°C)
Listing / Approval	FM Approved UL Listed LPCB Approved VdS Approved

This document is only intended to be a guideline and is not applicable to all situations. Information is subject to Fike's full disclaimer at <http://www.fike.com/disclaimer>.