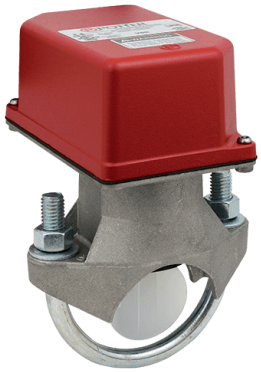
SWITCHES, FLOW

Switch – Flow Vane



- ULC Listed and FM Approved for use on steel pipe; schedules 10 through 40, sizes 2″ through 8″ (50mm through 200mm)
- For use on wet sprinkler systems
- Enclosed in a general purpose, diecast housing
- Cover is held in place with two tamper resistant screws that require a special key for removal (included)

Part#	Potter#	Size
4070200	VSR-S	2″
4070212	VSR-2-1/2	2-1/2″
4070300	VSR-3	3″
4070312	VSR-3-1/2	3-1/2″
4070400	VSR-4	4″
4070500	VSR-5	5″
4070600	VSR-6	6″
4070800	VSR-8	8″
40701000	VSR-10	10″

Switch – Vane Type Waterflow with Retard



- For use on wet sprinkler systems that use 1 (25mm), 1-1/4″ (32mm), 1-1/2″ (38mm) or 2″ (50mm) pipe size
- May also be used as a sectional waterflow detector on large systems
- Contains two single pole double throw snap action switches and an adjustable, instantly recycling pneumatic retard
- The switches are actuated when a flow of 8-10 gallons per minute (30-38 LPM) or more occurs downstream of the device
- Cover is held in place with two tamper resistant screws that require a special key for removal (included)
- **Conduit Entrances:** Two knockouts provided for 1/2″ conduit
- **Usage:** Listed plastic, copper and schedule 40 iron pipe
- UL, ULC Listed

Part#	Potter#	Size
4070112	VSR-S	1″-2″

Switch – Flow, CPVC





- The Model VSR-SFT is a vane type waterflow switch for use on wet sprinkler systems that use 1", 1-1/4", 1-1/2" pip size
- It is equipped with a union to accommodate installation in confined spaces
- Contains two single pole double throw snap action switches and an adjustable, instantly recycling pneumatic retard
- The switches are actuated when a flow of 8-10 gallons per minute (30-38 liters per minute) or more occurs downstream of the device
- The flow condition must exist for a period of time necessary to overcome the selected retard period
- For 1" to 2" CPVC pipe sizes with NEMA 4 enclosure indoor & outdoor use, service pressure to 175 PSI

Part#	Potter#	Type	Size
40761	VSR-SFG	Glue in union	1" - 2"
40762	VSR-SFT	Threaded	1" - 2"

Switch – Waterflow Alarm



- Pressure operated switch with an adjustable, instantly recycling pneumatic retard to prevent false alarms due to water pressure variation
- The EFSR-F is connected into the alarm port of a wet sprinkler system alarm check valve
- Pressure Adjustments: Factory adjusted to operate between 4 and 8 PSI on rising pressure
- Maximum System Pressure: 175 PSI
- Contact Ratings: Two Sets of SPDT (Form C)

Part#	Potter#
404076	WFSR-F

SWITCHES, PRESSURE



Switch – Low Pressure, Wet Systems

- The Potter PS10A Series Pressure Actuated Switches are designed for the detection of a waterflow condition in automatic fire sprinkler systems of particular designs such as wet systems with alarm check valves or dry pipe systems
- May also be used to provide a low pressure supervisory signal
- They may be adjusted to operate on pressure between 4 and 20 PSI

Part#	Potter#	Description
407110	PS10-1A	Single
407110 - 2A	PS10-2A	Double



Switch – Pressure, Dry Systems

- Pressure actuated switches designed primarily to detect a 10 PSI increase and/or decrease from normal system pressure in automatic fire sprinkler systems
- Typical applications are air pressure supervision in dry pipe systems and pressure supervision of pressure tanks, air supply or water supply
- **PS40-1A:** Operates on decrease at 30PSI
- **PS40-2A:** Operates on increase at 50 PSI, and on decrease at 30 PSI
- **Pressure Range:** 10-175 PSI

Part#	Potter#	Description
407140	PS40-1A	Single
407140 - 2A	PS40-2A	Double



Switch – Pressure, Excess Pressure

- Pressure actuated switches designed primarily to detect a 10 PSI increase and/or decrease from normal system pressure in automatic fire sprinkler systems
- Typical applications are air pressure supervision in systems with excess pressure
- **PS120-1A:** Operates on decrease at 110 PSI
- **PS120-2A:** Operates on increase at 130 PSI and on decrease at 110 PSI
- **Pressure Range:** 10-175 PSI

Part#	Potter#	Description
4071120	PS120-1A	Single
4071120 - 2A	PS120-2A	Double

SWITCHES, SUPERVISORY



Switch – Supervisory, OS & Y

- The OSYSU is used to monitor the open position of an OS & Y (outside screw and yoke) type gate valve
- Mounts conveniently to most OS & Y valves ranging in size from 2" to 12" (50mm to 300mm. They will mount on some valves as small as 1/2" (12.5mm)
- The cover is held in place by two tamper resistant screws

Part#	Potter#	Switch
404070	OSYSU – 1	Single
404072	OSYSU – 2	Double



Switch – Supervisory, Control Valve

- Weather proof and tamper resistant switch for monitoring the open position of fire sprinkler control valves of the post indicator, butterfly and other types
- Two SPDT (Form C) contacts are provided which will operate when the valve position is altered from an open state
- Mounts in 1/2" NPT Tapped hole in the post indicator or butterfly valve housing
- The device is engaged by the indicating assembly of the post indicator or the operating mechanism of the butterfly valve, actuating switch(es) when the valve is fully open

Part#	Potter#
404073	PCVS-2



Switch – Supervisory, Plug Type

- The Model PTS-C is designed to supervise sprinkler system control valves and may be used to secure gate valves
- Nema 6P enclosure allows the device to be mounted outdoors, even in areas subject to flooding such as pits and wells
- Sealed reed switch operation virtually eliminates contact corrosion
- Turning the valve wheel will pull the plug out of the receptacle
- The plug cannot be reinserted after operation until the plug receptacle cover is removed with the special hex key provided

Part#	Potter#
404074	PTS-C



Switch – Supervisory, Retrofit

Potter Flow

- Designed to monitor the fully open position of a ball valve installed in a sprinkler system
- Will fit on most ball valves installed on back-flow-preventers and alarm trim lines of dry, alarm, and deluge sprinkler valves
- Operates if the ball valve handle is moved from the open position
- The switch does not track the position of the handle or ball
- When the ball valve handle is in the open position, a spring-loaded switch button will contact the valve handle
- When the handle is moved from the open position, this switch button extends to the tripped position, and the RBVS-T contacts change state, thereby opening or closing a circuit
- The cover tamper switch is activated by the removal of the RBVS-T housing cover
- If an attempt is made to remove the RBVS-T by the removal of the mounting brackets, the unit will be set into the tripped mode by this action
- Waterflow Alarm Switch with Retard for Supervision of Wet Alarm Check Valve

Part#	Potter#
404077	RBVS-T

ELECTRIC BELLS





Bells

- Models PBA-AC & PBD-DC Bells
- These vibrating type bells are designed for use as fire, burglar or general signaling devices
- Low power consumption and high decibel ratings
- Mounts on a standard 4" (101mm) square electrical box for indoor use or on a model BBK-1 weatherproof backbox for outdoor applications

Part#	Type	Description	Size
406500	PBA1206	120VAC	6"
406502	PBA12010	120VAC	10"
406510	PBD246	24VDC	6"
406508	BBK-1	Backbox	XX

POTTER CORROSION PROTECTION



Corrosion Monitoring Station

- **Service pressure:** up to 250 PSIG
- **Temperature range:** 40°F to 120°F (4.5°C to 49°C)
- **Coupon Holders:** Qty. (2) included
- Designed to simulate conditions within the fire sprinkler system
- The coupon rack can be isolated from the fire sprinkler riser and easily accessed for servicing and monitoring of test specimens (corrosion coupons) without interruption to fire protection

Part#	Potter#
404042	PCMS-RM



Automatic Air Release

- **Service pressure:** up to 175 PSIG
- **Temperature range:** 40°F to 120°F (4.5°C to 49°C)
- **Air Vent:** 1" NPT inlet 3/32" Orifice
- **Water Shutoff Valve:** Activation indicated by red pop-up tap on the shutoff valve
- Single set of NC contacts rated 24V AC/DC @2A (contacts open upon activation of shutoff valve) and 6' Lg. Wiring harness supplied for supervision of shutoff valve

Part#	Potter#
404091	PAAR-B



Water Test Kit

- Have POTTER test the water supply of the sprinkler system
- Meets requirements of NFPA 13, 2002 4.3
- 5 groups of bacteria tested

Part#	Potter#
404099	WTK



Air Release Valve

- Used to reduce trapped air in a sprinkler system
- Helps to fight corrosion
- Brass construction
- 1/2" NPT inlet for easy installation

Part#	Potter#
4040720	PAV



Key – for Tamper Proof Cover Screws

Part#	Potter#
4070TK	for cover screws
4070WK	for PMS & PTS switches only

NITROGEN FOR SPRINKLER



Nitrogen Generators from Potter

- Fully automates the air fill and nitrogen fill procedure
- Advance leak rate detection
- Integrated Bypass alarm
- System can be monitored anywhere there is internet connectivity

Part#	System Capacity (litre)	Largest Riser To fill at 40 PSI (276kPa)	Weight
4070100N	2555	605	59 kg
4070250N	3785	1135	59 kg
4070600N	8896	1987	182 kg



Portable Nitrogen Analyzer

The Portable Nitrogen Analyzer is an easy way to determine the purity of nitrogen that the Potter Nitrogen Generator is producing
- One button calibration
- Maintenance free

Part#	Potter#
4070900	PNA



Nitrogen Air Maintenance Device

- Designed for use with nitrogen generators and air compressors
- Manual bypass to allow quick filling of sprinkler systems

Part#	Potter#
4070901	NAMD