

Electrical Signaling

Electrical protective signaling systems are configurations of components used to produce alarm signals indicative of fire, smoke, sprinkler waterflow or other emergency and to produce supervisory signals indicative of conditions needing attention with respect to protection equipment or watch service. System configurations are classified according to where and how the signals are received. The categories are commonly designated as local, municipal, remote station, proprietary and central station. Auxiliary systems are either local or proprietary systems interconnected with a municipal system.

This category presents the major system component categories and the integrated system configurations. The selection of components to form a hybrid system should be made only by those skilled in system design. Also, the suitability of any system application should be judged on the basis of the hazard(s) being protected.

Supervisory Signal Initiating Devices

Supervisory signals indicate non-alarm conditions affecting important parts of a protection system or timed watchman tours. Normal/abnormal functions are monitored by these switches and switch-actuated transmitters.

Sprinkler System Supervision

Examples of sprinkler supervisory functions are control valve position, tank pressure, tank level, tank temperature, air pressure, fire pump power and fire pump operation.

Models OSYS-B, OSYSU-1, OSYSU-2

Gate Valve Switch. Models OSYS-B, OSYSU-1, OSYSU-2. For supervising open position of an OS&Y type gate valve. Contacts are rated for 15 A at 125/250 V ac and 2.5 A at 0-30 V dc. For indoor or outdoor (NEMA 4) use in ambient temperatures of -40° to 140°F (-40° to 60°C).

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Listing Country:	United States of America
Certification Type:	FM Approved



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POTTER ELECTRIC SIGNAL CO L L C
1609 PARK 370 PL
HAZELWOOD, MO 63042 USA

S309

SPRINKLER SYSTEM ALARM INITIATING DEVICES

WET PIPE, PADDLE TYPE

Model	Size In.	Pipe Schedule	Max System Pressure psig
VSG	2, 2-1/2, 3, 4	Water Mist	450
		Systems Only	
VSR-F, VSR-FE,	2, 2-1/2, 3,	10-40	450
VSR-FE-2, VS-F	3-1/2, 4, 5,	Steel	
	6, 8, 10		
VSR	2, 2-1/2, 3, 3-1/2,	10-40 Steel	450
	4, 5, 6, 8, 10		
VSR-EU	2, 2-1/2, 3, 4, 5, 6, 8	10-40 Steel	450
VSR-S	1, 1-1/4, 1-1/2, 2	10-40 Steel	300
		Listed Plastic	
		K, L, M Copper	
VSR-SF, VS-SP	1, 1-1/4, 1-1/2, 2	10-40 Steel	250
		Listed Plastic	
		K, L, M Copper	
VSR-CF, VSR-C	2, 2-1/2, 3,	Listed Plastic	175
	2, 2-1/2, 3, 4	K,L,M Copper	
VSR-SFG, VSR-SG, VSR-SFT, VSR-ST	1, 1-1/4, 1-1/2, 2	Listed Plastic	250

Model VS-SP for outdoor use with Kit No. 1940037. Models VS-F, VSR-F, VSR-CF, VSR-C, VSR-FE, VSR-FE-2 for outdoor use with Kit No. 1940036.

DRY-PIPE & WET-PIPE, PRESSURE TYPE

Model	Oper Pressure psig	Max System Pressure psig
*PS-10	0-20	300
*PS-10A	4-8	300
*PS-100	20-225	300
*PS10-1	4-15	300
*PS10-2	4-15	300
*PS10-1 w/TSK	4-15	300
*PS10-2 w/TSK	4-15	300
*PS10-1 w/TSK and Brass Bushing	4-15	300
*PS10-2 w/TSK and Brass Bushing	4-15	300
*PS-100A	20-175	300

*PS100-2	25-175	300
WFS-B	10	250
WFS-PDB	100	250
*WFSR-C	10	250
*WFSR-F	4-8	175
QRS	10-65	175

SUPERVISORY SIGNAL INITIATING DEVICES

PRESSURE DEVICES

Model	Oper Pressure psig	Max System Pressure psig
*PS-40	20-225	300
*PS-40A	20-175	300
*PS40-1	10-60	300
*PS40-2	10-60	300
*PS40-1 w/TSK	10-60	300
*PS40-2 w/TSK	10-60	300
*PS40-1 w/TSK and Brass Bushing	10-60	300
*PS40-2 w/TSK and Brass Bushing	10-60	300
HLS-B	40	250
*PS-120	20-225	300
*PS-120A	20-175	300
*PS120-1	25-175	300
*PS120-2	25-175	250
*PS120-1 w/TSK	25-175	300
*PS120-2 w/TSK	25-175	300
*PS120-1 w/TSK and Brass Bushing	25-175	300
*PS120-2 w/TSK and Brass Bushing	25-175	300

CONTROL VALVE DEVICES

Gate Valve	Post Indicator Valve
GVS	PIVS-B
OSYS-B	*PIVSU-A1, -A2
*OSYSU-1, -2, -A1, -A2	*PCVS, PCVS-1, -2

PTS-B Plug Type Switch — Special Application

*PMS Plug Type Switch — Special Application

*PTS-C Plug Type Switch — Special Application.

BVS-1", -3/4", -1/2" Supervised Trim Valves.

RBVS, RBVS-T — Retro-fit Ball Valve Supervisory Switch.

SUPERVISORY WATER TEMPERATURE DEVICES Steel or Wood Tank

*TTS-S, TTS-W

SUPERVISORY AIR TEMPERATURE DEVICES

RTS-C, RTS-O, for indoor use.

WATERLEVEL DEVICES

*WLS-S (Steel Tank), WLS-W (Wood Tank), WCS

*For indoor or outdoor use.

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