

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.

Alarm Signal Initiating Devices

Alarm signals are initiated either automatically or manually. Automatic detectors respond to changes in characteristic phenomena associated with fire or other emergency conditions.

Sprinkler Waterflow, Pressure-Actuated

These waterflow alarm switches and switch-actuated transmitters are pressure activated and are used with waterflow alarm check valves, dry pipe valves or automatic water control valves. See also WATERFLOW ALARM VALVES and WATERFLOW DETECTORS, VANE TYPE. Unless otherwise noted in the listing, these devices have 175 psi (1205 kPa) rated working pressure.

Models PS10-1A, -2A, PS100-2A

Pressure Actuated Alarm Switch. Models PS10-1A, -2A, PS100-2A. Used for wet and dry pipe sprinkler systems. The PS10A switch has an adjustable operating pressure range of 0-20 psi (0 to 138 kPa) and is factory set to operate when pressure increases to 4-8 psi (28-55 kPa). -1A or -2A suffix indicates number of internal switches. Model PS100-2A switch is used for excess pressure sprinkler systems. Two internal switches are factory set to operate when pressure decreases to 90 psi (621 kPa). Switch contacts for all models are rated 15 A at 125/250 V ac, 2.5 A at 30 V dc. An optional cover tamper switch, P/N 0090134, is available, contacts rated 5 A at 125 V ac, 2.5 A at 6, 12 or 24 V dc. Suitable for indoor and outdoor use in ambient temperatures from -40° to 140°F (-40° to 60°C). Switch enclosure rated NEMA Type 4 when installed with a NEMA Type 4 conduit hub.

Company Name:	Potter Electric Signal Company
Company Address:	1609 Park 370 Place, Saint Louis, Missouri 63042, USA
Company Website:	http://www.pottersignal.com
Listing Country:	United States of America
Certification Type:	FM Approved

**VOXZ.S309
Switches, Pressure**[Page Bottom](#)

Switches, Pressure[See General Information for Switches, Pressure](#)**POTTER ELECTRIC SIGNAL CO L L C**
1609 PARK 370 PL
HAZELWOOD, MO 63042 USA

S309

Pressure switches, Models PS-10A, -40A, -100A, -120A , WFSR-F .

[Last Updated](#) on 2010-09-29

[Questions?](#)[Print this page](#)[Notice of Disclaimer](#)[Page Top](#)[Copyright © 2011 Underwriters Laboratories Inc.®](#)

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Listed and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Designs and/or Listings (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from Underwriters Laboratories Inc." must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "Copyright © 2011 Underwriters Laboratories Inc.®"

An independent organization working for a safer world with integrity, precision and knowledge.

