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, emergency voice/alarm communication, emergency communication, 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 EPS10-1, -2, -2V

Pressure Actuated Alarm Switch. Models EPS10-1, -2, -2V. Used for wet and dry pipe sprinkler systems. Suffix indicates the number of internal switches. The EPS10 switches have an adjustable operating pressure range of 4 to 20 psi (28 to 138 kPA) and are factory set to operate when pressure increases from 4 to 8 psi (28 to 55 kPa). The EPS10-2V is identical to EPS10, but the adjustable pressure switch is preset to a specific limit. The max service pressure of these switches is 300 psi (2068 kPa). Switch contacts are rated 10A at 125/250 V ac, 2.5A at 6/12/24 V dc. Suitable for indoor and outdoor use in ambient temperatures of -40° to 160°F (-40° to 71°C). Switch enclosure rated NEMA Type 4 when installed with a Thomas and Betts' P/N 5332, P/N 5352 conduit coupling and P/N 5262 seal ring. Models EPSA10-1, -2 for Canadian distribution have factory installed cover tamper switch rated for 5 A 125/250 V ac, 2.5 A at 24 V dc.

Model 546-8000. Cover tamper switch available for Models EPS10-1, -2 rated for 5 A at 125/250 V ac, 2.5 A at 24 V dc.

Pressure Actuated Alarm Switch, Explosion Proof. Model EPS10EXP. Identical to the regular atmosphere EPS10-2 model. Enclosure is rated Class I, Groups B, C, D, Division 1; Class II, Groups E, F, G, Division 1, and Class III, Division 1.

Company Name:	System Sensor Div of Honeywell
Company Address:	3825 Ohio Ave, Saint Charles, Illinois 60174, USA
Company Website:	http://systemsensor.com
New/Updated Product Listing:	No
Listing Country:	United States of America
Certification Type:	FM Approved
Class of Work:	3132-Water Pressure Sw