

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 PSS-10, -40, -120

Pressure Switch. Models PSS-10, -40, -120 for excess pressure sprinkler systems. These adjustable switches are factory set at 10, 30 and 110 psi (69.0, 206.9 and 758.5 kPa) for the PSS-10, -40 and -120, respectively. PSS-10 adjustable range is from 5 to 30 psi (34.5 to 206.5 kPa). Adjustable range of the PSS-40 and -120 is from 25 to 175 psi (172.4 to 1206.7 kPa). Switch contacts rated for 15 A at 125/250 V ac, 2.0 A at 30 V dc, 0.4 A at 125 V dc, 0.2 A at 250 V dc. Optional tamper switch rated 2.0 A at 30 V ac/dc.

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