

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.

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 – Standard Security

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

LF-SIP-1, LF-SIP-2, LF-SIP-3

<i>Physical/Operating Specifications</i>	LF-SIP-1	LF-SIP-2	LF-SIP-3
Differential	Single switch	Double switch	Double switch with Cover Tamper Switch
Switch Contact Ratings	10A@125/250VAC 2.5A@30VDC	10A@125/250VAC 2.5A@30VDC	10A@125/250VAC 2.5A@30VDC
Connection	1/2" NPT Male	1/2" NPT Male	1/2" NPT Male
Dimensions	L*W*H (11.6cm*6.0cm*15.0cm)	L*W*H (11.6cm*6.0cm*15.0cm)	L*W*H (11.6cm*6.0cm*15.0cm)
Operating Temperature Range	-40° to 60°	-40° to 60°	-40° to 60°
Cover Tamper Switch	No	No	Yes
Protection	IP67	IP67	IP67

Company Name:	Lichfield Fire & Safety Equipment Co Ltd
Company Address:	Unit 8 Calibre Industrial Park, Laches Close, Four Ashes, Wolverhampton, Staffordshire WV10 7DZ
Company Website:	http://lifeco-uk.com
New/Updated Product Listing:	Yes
Listing Country:	United Kingdom
Certification Type:	FM Approved
Class of Work:	3132-Water Pressure Sw

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Sprinkler System Supervision – Standard Security

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LF-SSOSY-1, LF-SSOSY-2, LF-SSOSY-3

<i>Physical/Operating Specifications</i>	LF-SSOSY-1	LF-SSOSY-2	LF-SSOSY-3
Differential	Single switch	Double switch	Double switch with Cover Tamper Switch
Switch Contact Ratings	10A@125/250VAC 2.5A@30VDC	10A@125/250VAC 2.5A@30VDC	10A@125/250VAC 2.5A@30VDC
Connection	Bolt	Bolt	Bolt
Dimensions	L*W*H (16.0cm*6.0cm*15.0cm)	L*W*H (16.0cm*6.0cm*15.0cm)	L*W*H (16.0cm*6.0cm*15.0cm)
Operating Temperature Range	-40° to 60°	-40° to 60°	-40° to 60°
Cover Tamper Switch	No	No	Yes
Protection	IP67	IP67	IP67

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