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.

Fire Alarm Equipment – Controls & Systems Tested to ANSI Standards

This category covers electrical control units and systems for fire protective signaling systems to be employed in ordinary indoor locations in accordance with the Standards of the National Fire Protection Association for Central Station, Local, Auxiliary, Remote Station and Proprietary Protective Signaling Systems for Watchman, Fire Alarm and Supervisory Service. The basic standard used to investigate products in this category is ANSI/UL 864, "Control Units for Fire-protective Signaling Systems."
Fire control and systems listed in this category are further described using the following descriptors or legend for the particular APPLICATIONS they might be suited for:

• Local System Type (L)
• Local System Type with Shunt Type Connection to Master Box (LS)
• Auxiliary System Type (A)
• Remote Station System Type (RS)
• Proprietary System Type (P)
• Central Station System Type (CS)
• Automatic Release Extinguishing System (ARES)
• Automatic Release for Preaction & Deluge Sprinkler System (ARP&DS)
• Emergency Voice Communication (EVAC)
• Emergency Telephone Communication (FFP)
• Fire Fighter Smoke Control Station (FSCS)

In addition, the types of DEVICES that can be connected for the service indicated in the listings for each type control or system are as follows:

• A - Automatic fire alarm: Thermostats, smoke detectors, etc.
• M - Manual fire alarm: Manually operated boxes
• WF - Waterflow alarm: Waterflow switches
• SS - Sprinkler supervisory: Gate valves, water level switches, temperature switches, etc.
• WSS - Watchman's supervisory service

Lastly, the type of SIGNALING service applicable to each type control unit is as follows:

• C – Coded
• NC - Non-Coded
• M - March Time
• MX – Multiplex
• RF - Radio Frequency
• DAC - Digital Alarm Communicator
• OT – Other Technologies

Where more than one type control unit is indicated for a model number, such as Type (L, LS, A, RS), that particular model is suitable for all the indicated applications. The change from one type to another may be made by deletion or addition of a panel or module inside the control unit cabinet or revisions to operating software to provide the additional function. In other cases a control unit may be suitable for a dual function without any panel changes, such as a Type (P, RS).

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 the FM Approval's Facility & Procedure Audit Program. Only those products bearing the FM Approved listing mark should be considered as listed and covered under the FM Approval's follow-up program. Always look for the FM Approved listing mark followed by the wording "to ANSI/UL 864" on the control or system.

Refer to the table below defining the control or system, it's intended application and types service that it is FM Approved for use. Additional equipment and description related to control or system can be found by selecting (clicking) on the Model designation.

Model Designation	Devices	Signaling	Applications
MS-9050UD	A, M, WF, SS	C, NC, DAC	L, RS, CS
FPA-1000-UL	A, M, WF, SS	M, NC, DAC, OT	L, P, R, C, A

FenwalNET 8000-ML,ARIES NETLink

Model Designation	***Devices***	*Signaling*	***Applications***

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FenwalNET 8000-ML ARIES NETLink	A,M,WF,SS	NC,	A,L,LS,ARES,ARP&D

Company Name:	Kidde-Fenwal Inc
Company Address:	400 Main St, Ashland, Massachusetts 01721, USA
Company Website:	http://www.kidde-fenwal.com
Listing Country:	United States of America
Certification Type:	FM Approved

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