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.

Fire Detection, Flame-Actuated

Flame-actuated detectors respond to a radiant energy of flame, sparks or glowing embers. Response may be in milliseconds; however, alarm initiation may be time-delayed up to 30 seconds, as indicated.

Models 660-0XXXX and -1XXXX

Flame Detector. Omniguard Models 660-0XXXX and -1XXXX ultraviolet flame detectors use 20-32 V dc operation via connection to a compatible FM Approved panel providing separate circuits for alarm signaling and power. Detectors are rated NEMA Type 4X and are suitable for indoor and outdoor use. Explosionproof, suitable for use in Class I, Division I, Groups B, C and D; Class II, Division 1, Groups E, F and G hazardous (classified) locations. Models 660-0XXXX are used in ambient temperatures from -   40° to 85°C (-40° to 185°F). The firmware used for model is defined by document 1231121. Models 660-1XXXX are high temperature versions which are used in ambient temperatures from -40° to 125°C (-40° to 257°F). The firmware used for this model is defined by document 1231122.

Company Name:	Firefly AB
Company Address:	Textilgatan 31, Hammarby Sjostad, 120 30, Stockholm, Sweden
Company Website:	http://www.firefly.se
New/Updated Product Listing:	No
Listing Country:	Sweden
Certification Type:	FM Approved

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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.

Fire Detection, Flame-Actuated

Flame-actuated detectors respond to a radiant energy of flame, sparks or glowing embers. Response may be in milliseconds; however, alarm initiation may be time-delayed up to 30 seconds, as indicated.

Models 860-0XXXX, -1XXXX

Flame Detector. Omniguard Models 860-0XXXX and - 1XXXX ultraviolet-infrared flame detectors. Models 860-1XXXX are equipped with a dual pass IR filter which allows response to specified non-hydrocarbon fires. For 20-32 V dc operation via connection to a compatible FM Approved control panel providing separate circuits for alarm signaling and for power. Firmware is defined by document 1231120 Detectors are rated NEMA Type 4X and are suitable for indoor and outdoor use, in ambient temperatures from -40° to 85°C (-40° to 185°F). Explosionproof, suitable for use in Class I, Division 1, Groups B, C and D; Class II, Division 1, Groups E, F and G hazardous (classified) locations.

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