

SLM-318

Signaling Loop Module

The SLM-318 provides additional addressable SLC loop capacity to the Gamewell-FCI Elevate™ Platform's Fire Alarm Control Panels, supporting both CLIP and Velociti® protocols as well as patented Self-Test Series detectors.

The SLM-318 is the addressable loop card for the Gamewell-FCI Elevate™ Platform Fire Alarm Control Panels (FACPs). The GFP-A/AR enclosure supports one additional SLM-318 module, allowing a total of two loop cards per panel.

The SLM-318 provides the following device capacities:

- **Velociti® protocol:** up to 159 detectors and 159 modules
- **CLIP protocol:** up to 99 detectors and 99 modules



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FEATURES AND BENEFITS

- Support Self-Test Series intelligent devices
- Allows individual SLC loops operating in Velociti® and CLIP modes to coexist within the same GFP-A/AR panel.
- Allows mixing Velociti® protocol detectors & CLIP protocol modules, or mixing CLIP protocol detectors & Velociti® protocol modules on the same loop.
- Plug-in style design simplifies installation
- Built-in degraded mode increases survivability
- Loop supervision and short-circuit isolation handled at the panel level
- Supports Class B (Style 4), Class A (Style 6), and Class X (Style 7) SLC configurations
- Total wiring distance of SLC is up to 12,500 feet (3,810 m) twisted-unshielded wire. (See specifications page.)

PRODUCT LINE INFORMATION

- **SLM-318:** Signaling Loop Module.

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SLM-318 TECHNICAL SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

- **Voltage:** 24VDC nominal, 27.6VDC maximum
- **Recommended wiring:** Twisted unshielded pair 12–18 AWG (3.31mm²–0.082mm²)

	Standard detectors with	Self-Test detectors
Distance with 12 AWG	12,500 ft. (3,810 m)	11000 ft (3353 m)
Distance with 14 AWG	9,500 ft. (2,895.6 m)	6900 ft (2103 m)
Distance with 16 AWG	6,000 ft. (1,828.8 m)	4350 ft (1326 m)
Distance with 18 AWG	3,700 ft. (1,127.76 m)	2700 ft (823 m)
Maximum ohms per Loop for Class A and X loops	50	23
Maximum ohms per branch for Class B loop	50	23

Alarm current: 210mA

Standby current: 159mA

Resistance: 50ohms maximum

For single SLC loop: 400mA maximum

Note: *Maximum short circuit – loop will shut down until short-circuit condition is corrected.*

Maximum resistance: 50 ohms (supervised and power-limited)

Temperature and humidity ranges: This system meets NFPA requirements for operation at 0 – 49°C/32 – 120°F and at a relative humidity 93% ± 2% RH (non condensing) at 32°C ± 2°C (90°F ± 3°F). However, the useful life of the system's standby batteries and the electronic components may be adversely affected by extreme temperature ranges and humidity. Therefore, it is recommended that this system and its peripherals be installed in an environment with a normal room temperature of 15 – 27°C/60 – 80°F.

AGENCY LISTINGS AND APPROVALS

The file number(s) below reference the specific listings for the modules in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult Gamewell-FCI for latest listing status.

- **UL Listed:** S635
- **FM Approved**
- **CSFM:** In progress
- **FDNY:** In progress

STANDARDS AND CODES

These listings and approvals below apply to the SLM-318. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- **UL 864**, 10th edition (Control Units and Accessories for Fire Alarm Systems).
- **UL 2017** (General-Purpose Signaling Devices and Systems)
- Should be installed as per **NFPA 72** National Fire Protection Association

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This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

Country of origin: USA

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