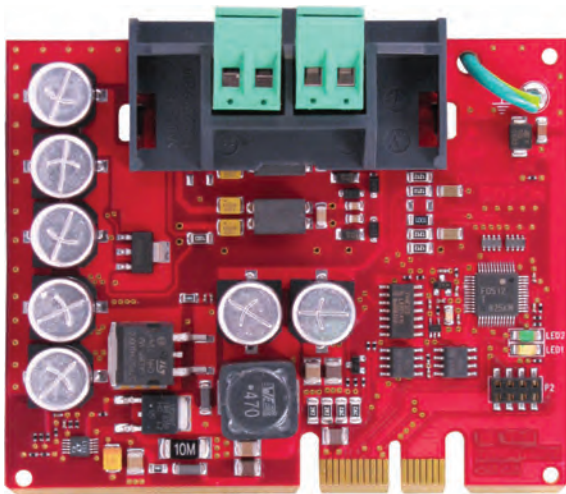


FPE-1000-SLC Signaling Line Circuit Plug-in Module

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Invented for life



- ▶ Signaling Line Circuit (SLC) is power-limited and supervised
- ▶ Configurable as one Class A Style 6 or 7 or two Class B Style 4 circuits
- ▶ Up to 254 detectors and modules, or 127 analog sounder bases in combination with suitable detectors

The FPE-1000-SLC Signaling Line Circuit Plug-in Module provides a Signaling Line Circuit (SLC) for connection of analog devices to the FPA-1000 Analog Addressable Fire Panels. It is mandatory equipment which installs at the top position on the main board in the fire panel. A second FPE-1000-SLC Plug-in Module can be installed as an option in the position below the first SLC board. The bottom position can be equipped with an optional FPE-1000-CITY City Tie Plug-in Module. The plug-in modules connect directly to the main board.

Signaling Line Circuits can be wired as Class A Style 6 or 7 or Class B Style 4 circuits. Class A configuration is recommended because this allows the system to poll the circuit in both directions, ensuring circuit operation in the event of a single break in the wiring. Each SLC is power-limited and supervised.

Functions

Sounder base addressing

For addressing a detector/ sounder base combination, addresses 1 through 127 are available for the detector and 128 through 254 for the sounder base. The sounder base will automatically be addressed based on the detector's address (detector's address + 127)

Certifications and approvals

| Region | Certification | |
|--------|---------------|---|
| USA | UL | FSZI: Emergency Alarm System Control Units (ANSI/UL 2017) and UOJZ: Control Units, System (ANSI/UL 864) |
| | CSFM | see our website |
| | FDNY-CoA | #6101 |

Installation/configuration notes

Wiring Considerations

Use plain wire. Twisted pair or shielded wire can be used in harsh environments, but overall wire length must be reduced. Observe maximum circuit resistance of 50 Ω .

Parts included

| Quant. | Component |
|--------|---------------------------------|
| 1 | FPE-1000-SLC module |
| 1 | Literature – Installation Guide |

Technical specifications

Electrical

| | |
|-----------------------------------|---|
| Line Voltage: | Nominal: 39 VDC Range: 29 VDC to 40 VDC) |
| Line Current: | 204 mA (per FPE-1000-SLC): |
| Circuit Resistance: | < 50 Ω |
| Circuit Capacitance: | < 1 μ F |
| Circuit Inductance: | < 1 mH |
| Configuration (per FPE-1000-SLC): | One or two Class B Style 4, or one Class A Style 6 or 7 |
| Wire Gauge: | 12 AWG to 18 AWG (ISO 4 mm ² to 0.75 mm ²) |

Environmental

| | |
|--------------------------|---------------------------------|
| Environment Friendly: | RoHS compliant |
| Relative Humidity: | Up to 95%, non-condensing |
| Temperature (operating): | +32°F to +120°F (0°C to +49°C) |
| Temperature (storage): | -4°F to +140°F (-20°C to +60°C) |

Ordering information

FPE-1000-SLC Signaling Line Circuit Plug-in Module

Provides a Signaling Line Circuit (SLC) for connection of analog devices to the FPA-1000 Analog Addressable Fire Panels

Order number **FPE-1000-SLC**

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