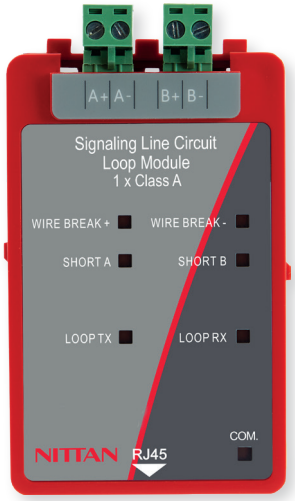
Signaling Line Circuit Module

NMP-SLC



The plug-in NMP-SLC module provides power for and handles communications to the analogue addressable devices. The SLC continuously monitors the analogue values of all devices and displays this value, in the Panel Real Time menu, to assist with potential fault finding.

Up to 254 addresses (500mA max load) can be connected to a single SLC. The addressable devices use soft addressing using the EVA-AD2 handheld programming tool which helps minimise the potential for error and reduce the installation time associated with traditional hard addressing.

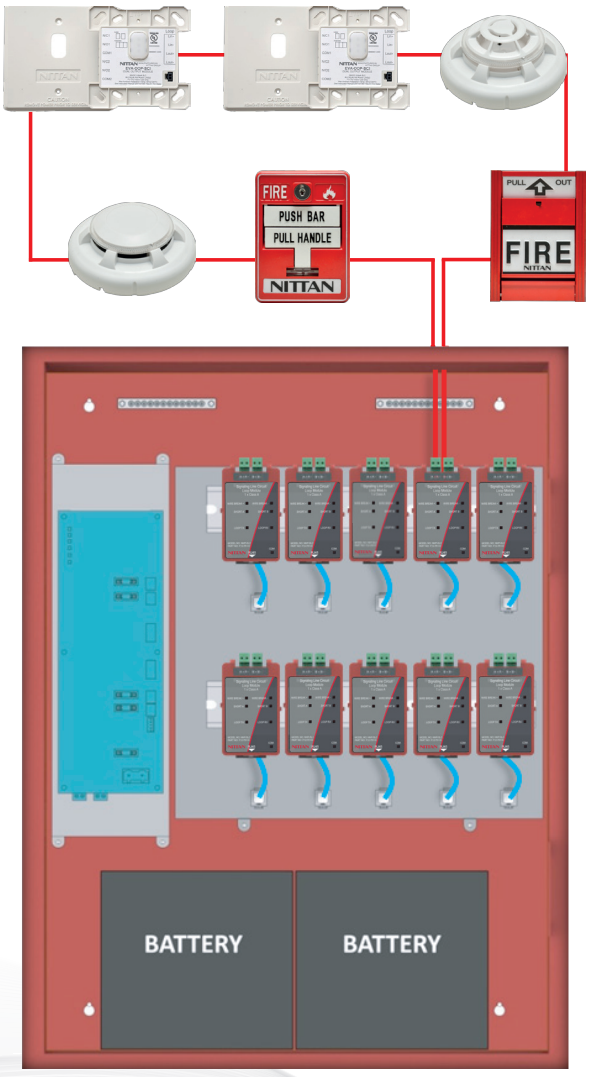
The AUTO-LEARN facility provided in the NMP series control panel saves considerable time and effort when installing a new loop or when changing device configuration.

It allows the system to learn for itself what devices have been installed on the loop.

Key Features

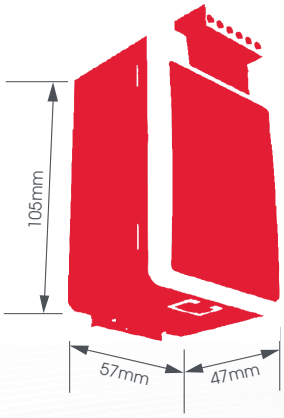
- Designed to meet UL864 10th Edition requirements.
- Supports up to 254 addresses.
- Supports Class X & Class A wiring configurations.
- "Heartbeat LED" that shows communication between the module and the motherboard.
- Extensive front unit status indications.
- Time saving AUTO-LEARN facility.
- Quick and easy to install.
- 500mA max load (20 ohms loop resistance), or 200mA (50 ohms loop resistance).
- Double address detection.

Interior Panel View



Enclosure

Dimensions
H105mm x W57mm x D47mm
Weight
0.15kg
Terminal Wiring Size
28-12 AWG



Specification

Part No. / Model No. / Description	F12-75100 / NMP-SLC / Signalling Line Circuit Module
Standard	UL864 10th Edition
Approval	UL Laboratories
Rated Voltage	35V Nominal (Vmax 39V DC Vmin 24V DC)
Maximum Current	500mA
Maximum Resistance	50Ω @ 200mA / 20Ω @ 500mA
Maximum Capacity	254 Addresses
Maximum Cable Length	2km
Maximum Capacitance	100nF
Maximum Baud Rate	4334 bits per second
Wiring Class	Class X or Class A (Power Limited & Supervised)
Operating Temperature	0°C (32°F) to 49°C (120°F)
Max Humidity	93% Non-Condensing

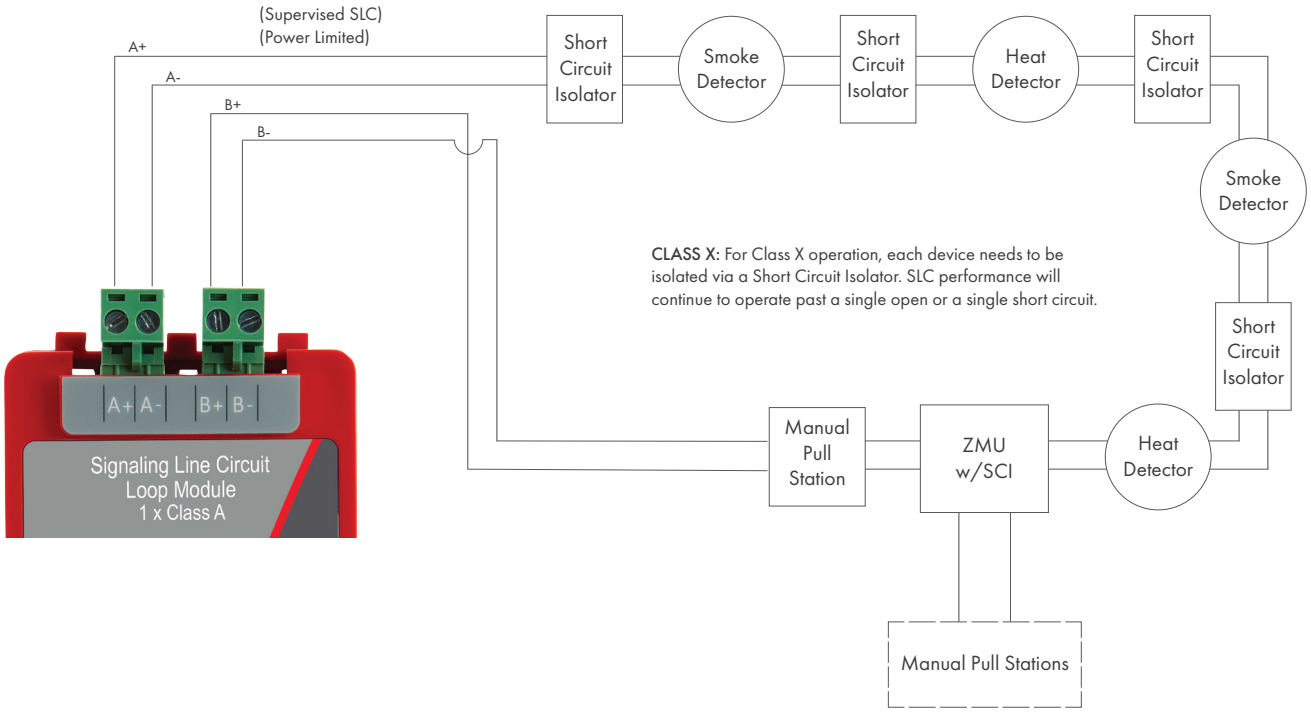
Compatible Devices / Accessories

Model No.	Description
EVA-PY	Addressable Photoelectric Smoke Detector
EVA-PY3	Addressable Photoelectric Smoke Detector (UL268 7th Edition)
EVA-PYH	Addressable Multisensory Detector
EVA-PYH3	Addressable Multisensory Detector (UL268 7th Edition)
EVA-H2 / EVA-H3	Addressable Heat Detector
EVA-H2-H / EVA-H3-H	Addressable High Temperature Heat Detector
EVA-DPH	Addressable Dual Optical/Heat Detector
EVA-MiniIP	Addressable Mini Input Module
EVA-DIP-SCI	Addressable Dual Input Module with SCI
EVA-DOP-SCI	Addressable Relay Dual Output with SCI
EVA-DOP-AC240V-SCI	Addressable Relay Dual Output Module for AC240v with SCI
EVA-ZMU-SCI	Addressable Conventional Zone Module with SCI
EVA-S6	Addressable Sounder Base
EVA-SCI	Short Circuit Isolator
EVA-STB-RL	Low Power Relay Base
EVA-STB-SCI	Short Circuit Isolator Base
EVA-UB4	Standard Detector Mounting 4" Base
EVA-UB4-6	Standard Detector Mounting 6" Base
EVA-ADP	Adaptor Plate

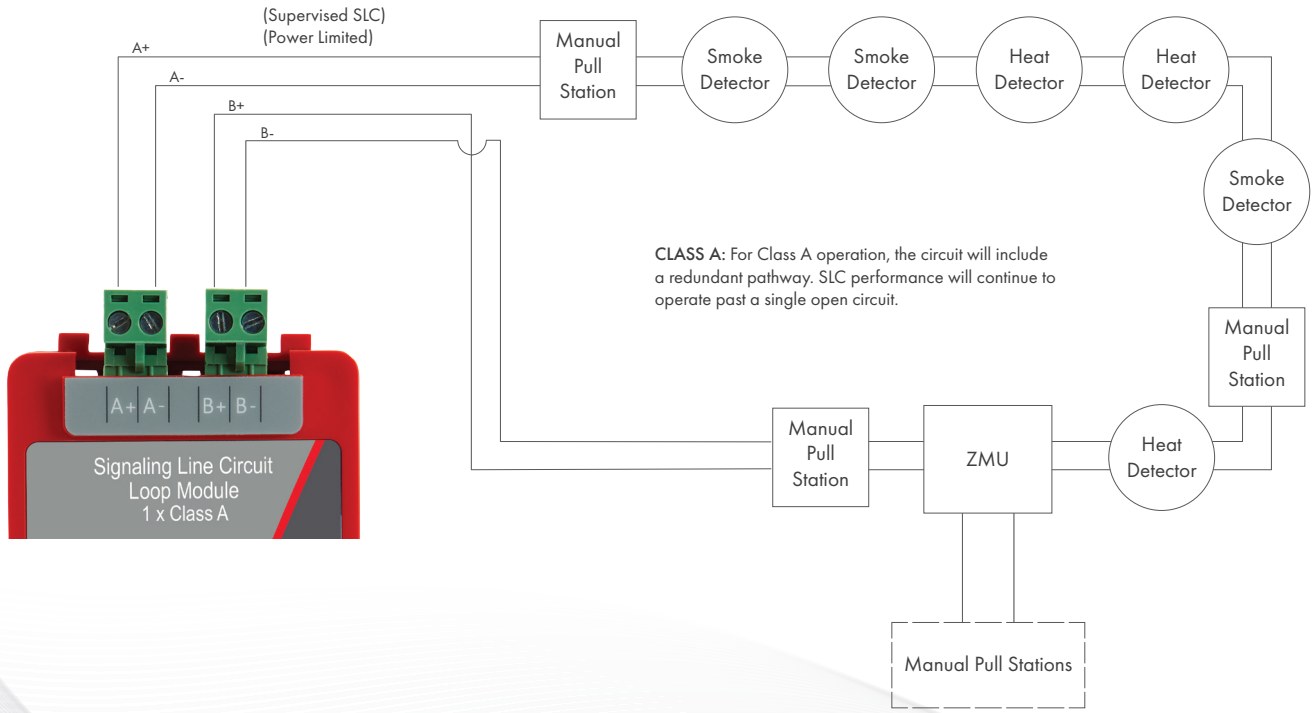
Front Unit Indications

LED Indication	Description
Wire Break + (Yellow)	Illuminated yellow when a loop break on the positive line is detected.
Wire Break - (Yellow)	Illuminated yellow when a loop break on the negative line is detected.
Short A (Yellow)	Illuminated yellow when a short circuit on the loop A side is detected.
Short B (Yellow)	Illuminated yellow when a short circuit on the loop B side is detected.
Loop TX (Yellow)	Flashing yellow when the loop card is transmitting information.
Loop RX (Yellow)	Flashing yellow when the loop card is receiving information.
Com. (Green)	Pulses to show communication between the module and the motherboard.

CLASS X: Typical Wiring Diagram



CLASS A: Typical Wiring Diagram



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