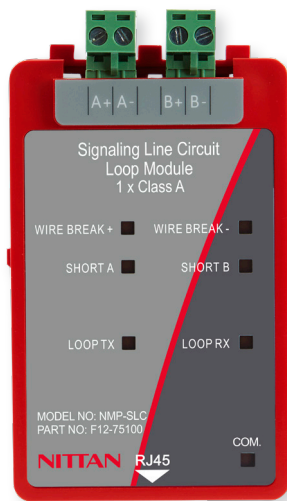


## Signaling Line Circuit Module

### 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 on the control panel as a percentage of the alarm threshold value.

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

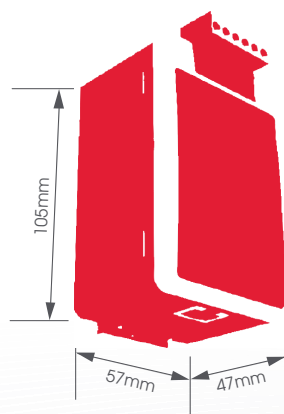
- Designed to meet UL864 10<sup>th</sup> Edition requirements.
- Supports up to 254 addresses.
- Supports Class X & Class A wiring configurations.
- "Heartbeat LED" that shows communication between the module and the motherboard.
- Extensive front unit status indications.
- Time saving AUTO-LEARN facility.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

### Enclosure

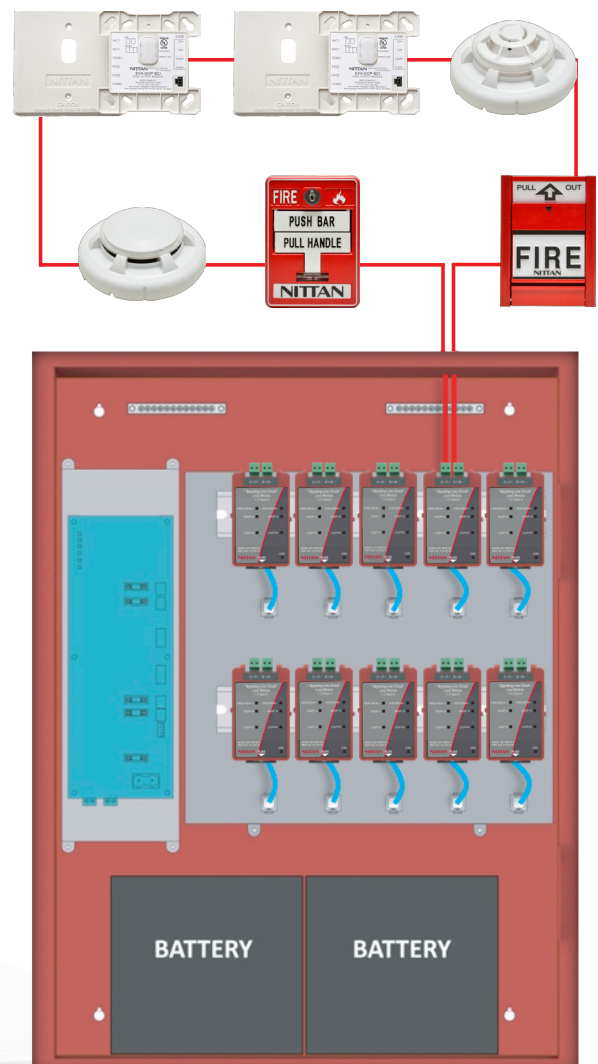
Dimensions  
H105mm x W57mm x D47mm

Weight  
0.15kg

Terminal Wiring Size  
28-12 AWG



### Interior Panel View



NOT TO BE USED FOR INSTALLATION PURPOSES

Nittans reserves the right to make changes at any time without notice in prices, colours, materials, components, equipment, specifications and models and also to discontinue models.

## Specification

Part No. / Model No. / Description	F12-75100 / NMP-SLC / Signalling Line Circuit Module
Standard	UL864 10 <sup>th</sup> Edition
Approval	UL Laboratories
Rated Voltage	35V Nominal (V <sub>max</sub> 39V DC V <sub>min</sub> 24V DC)
Maximum Current	500mA
Maximum Resistance	50Ω @ 200mA / 20Ω @ 500mA
Maximum Capacity	254 Addresses
Maximum Cable Length	2km
Maximum Capacitance	500nF
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	95% Non-Condensing

## Compatible Devices / Accessories

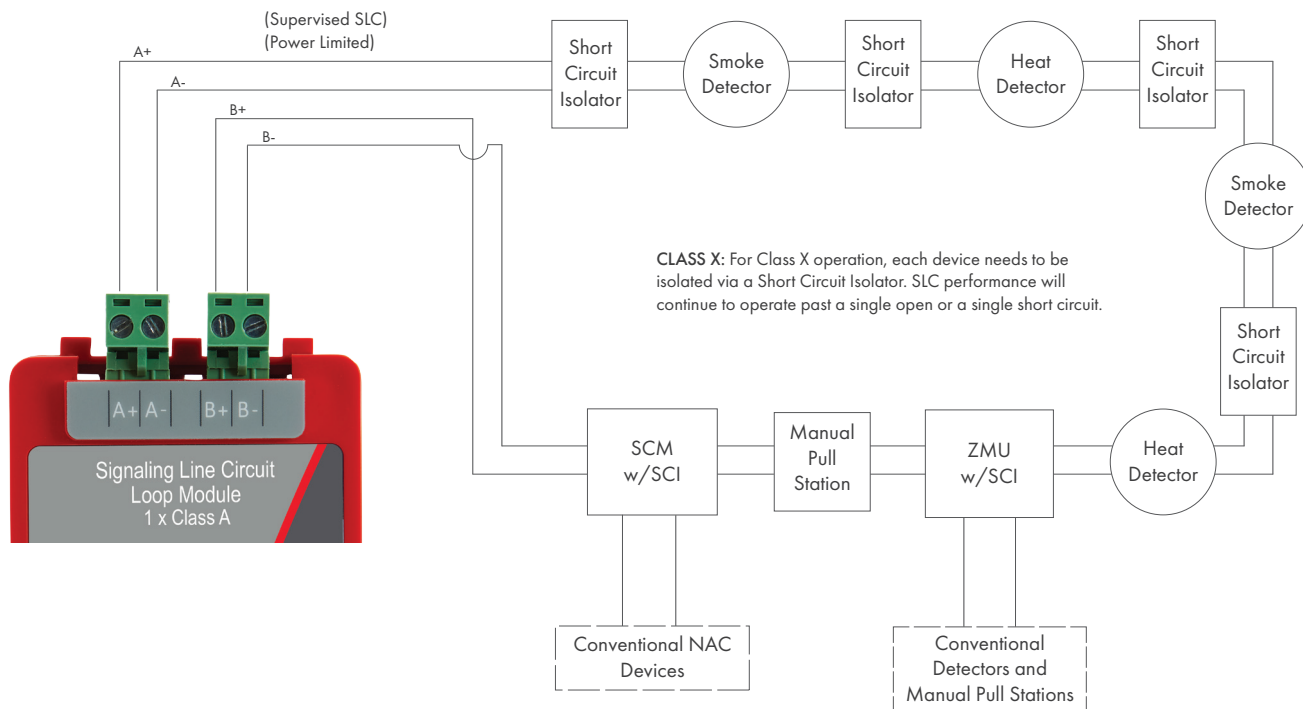
Model No.	Description
EVA-PY	Addressable Photoelectric Smoke Detector
EVA-PYH	Addressable Multisensory Detector
EVA-H2	Addressable Heat Detector
EVA-H2-H	Addressable High Temperature Heat Detector
EVA-DPH	Addressable Dual Optical/Heat Detector
EVA-MiniIP	Addressable Mini Input Module
EVA-DIP-SCI	Addressable 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-SCM-SCI	Addressable Sounder Control Module 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
EVA-AD2	Handheld Address Programmer

## Front Unit Indications

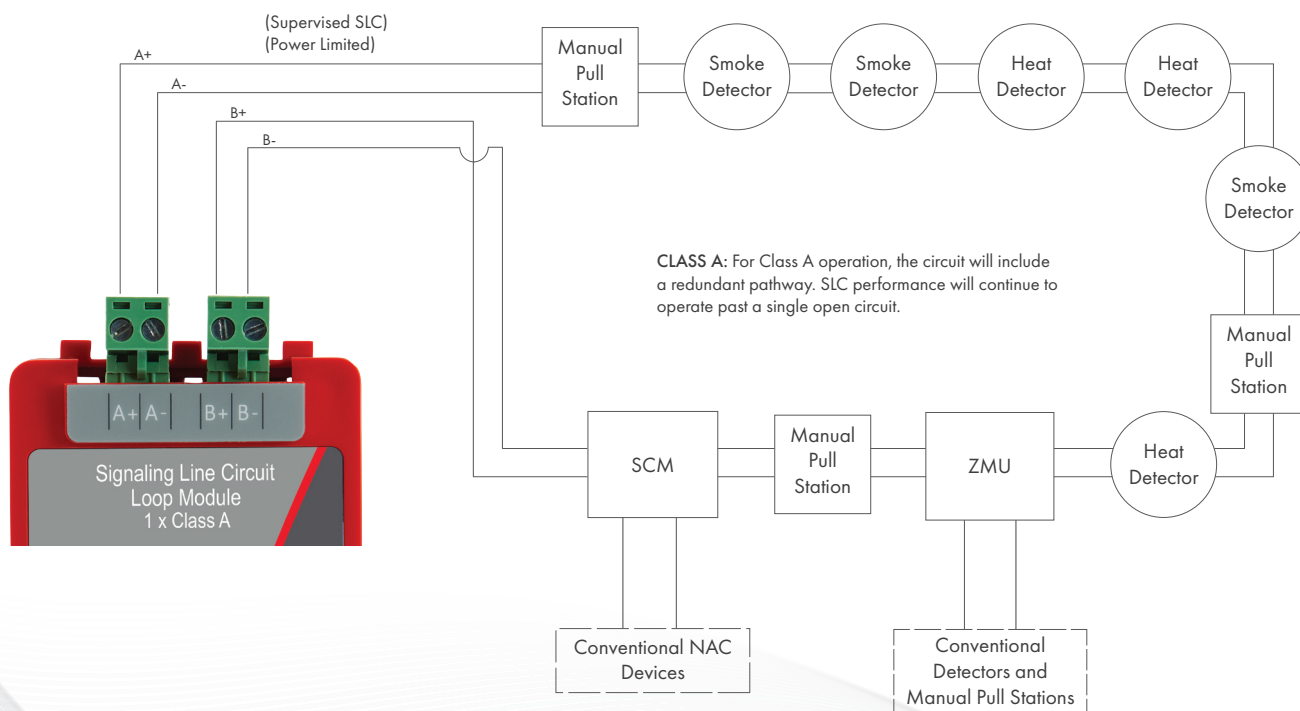
LED Indication	Description
Wire Break + (Yellow)	Illuminated yellow when a loop break on the positive line is detected.
Wire Break - (Yellow)	Illuminated yellow when a loop break on the negative line is detected.
Short A (Yellow)	Illuminated yellow when a short circuit on the loop A side is detected.
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.

NOT TO BE USED FOR INSTALLATION PURPOSES

## CLASS X: Typical Wiring Diagram



## CLASS A: Typical Wiring Diagram



NOT TO BE USED FOR INSTALLATION PURPOSES