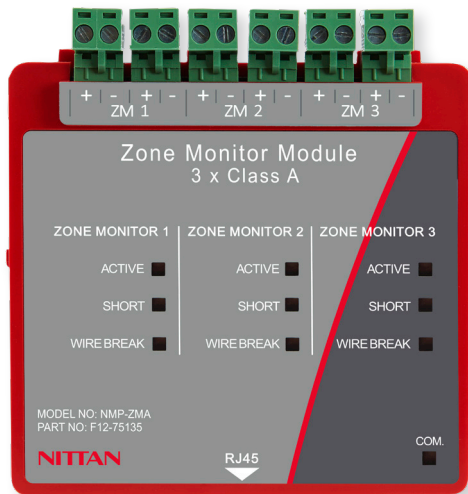# ZONE MONITOR - CLASS A

NMP-ZMA

The NMP-ZMA is a three zone monitor module that is designed to be DIN mounted inside of an Evolution UL control panel. It's powered and interfaced to the Evolution UL NMP via a RJ45 connection.

The module has three class A zone monitors which can be typically used for conventional devices and/or for special detectors that are not available in addressable form such as UV detectors, aspiration and beam detectors etc.

The module monitors and transmits the status (normal, open, short, or alarm) of zones with the detectors to a control panel. Each zone input can be programmed to either give a supervisory or alarm signal when active.

Key Features

- Designed to meet UL864 10th Edition requirements.
- 3 x Class A intiating device circuits.
- Each zone is monitored for open & short circuit.
- Extensive front unit status indications (see page 2).
- Quick and easy to install by plugging the RJ45 cable into the module and control panel (cable supplied with unit).
- Each zone input can be configured as either Alarm or Supervisory.
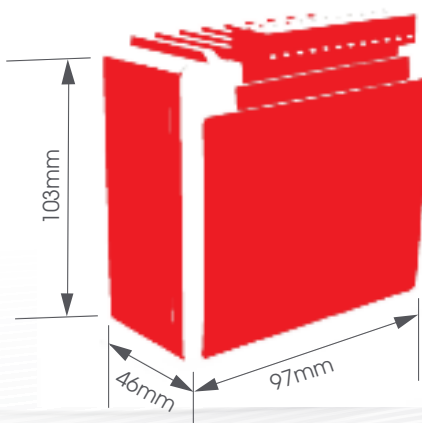
Interior Panel View
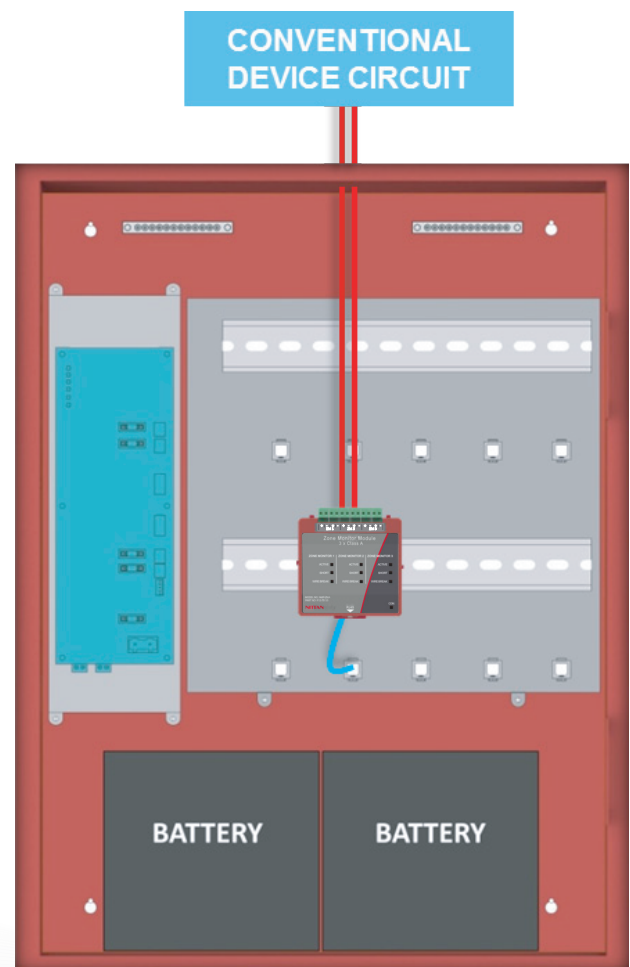
Enclosure

Dimensions
H103mm x W97mm x D46mm

Weight
0.2kg

Terminal Wiring Size
28-12 AWG

Specification

Part No. / Model No. / Description	F12-75135 / NMP-ZMA / Zone Monitor Module Class A
Standard	UL864 10th Edition
Approval	UL Laboratories
Wiring Class	3 x Class A (Power Limited & Supervised)
Zone Voltage	29Vdc Norminal
Zone Max Current	56mA
Zone Max Line Impedance	10Ω
Operating Temperature	0°C (32°F) to 49°C (120°F)
Max Humidity	95% Non-Condensing
Compatible Devices	Nittan EVCA-P (UL268 Listed)

Front Unit Indications

LED Indication	Description
Active (Red)	On steady when an alarm on the zone is active.
Short (Yellow)*	Flashing when a short circuit condition has been detected.
Wire Break (Yellow)*	Flashing when an open circuit condition has been detected.
Com. (Green)	Pulses to show communication between the module and the motherboard.

* When a NMP-ZMA circuit is disabled, the Short & Wire Break LED's will be on steady (yellow).

Typical Wiring Diagram (Class A)

Note:
Unused zone monitor circuits must have a link wire fitted (+ → + / - → -).
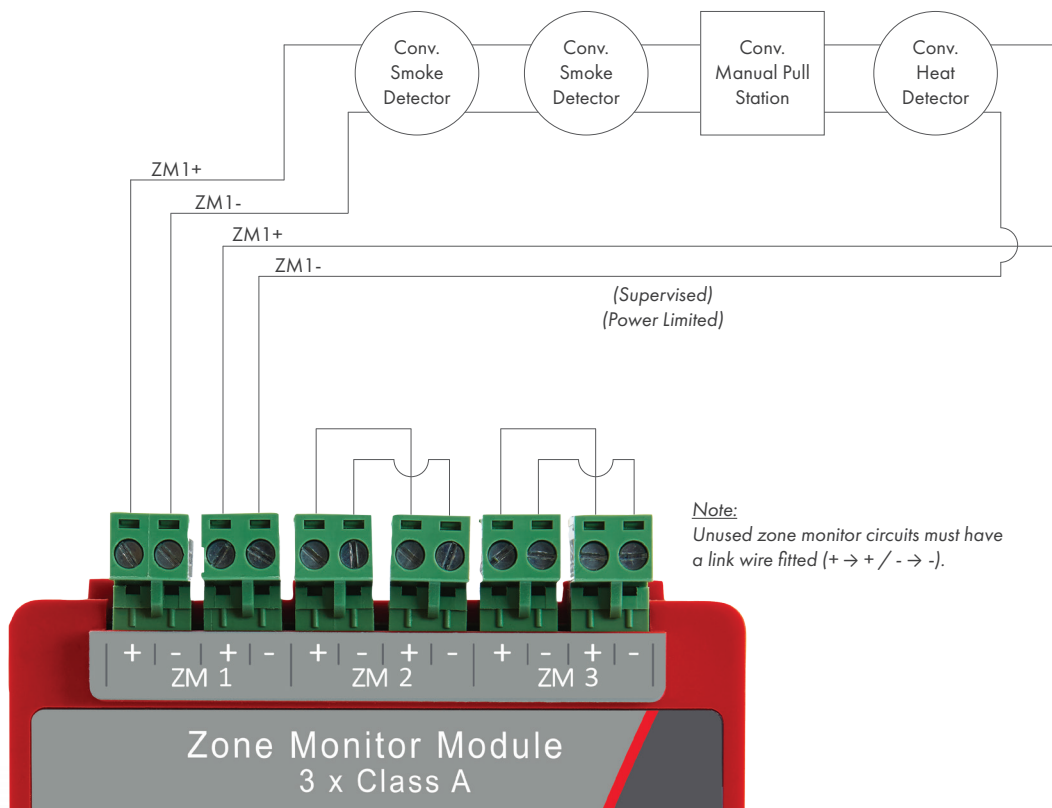
For further information on wiring, please refer to the NMP-ZMA Technical Manual.