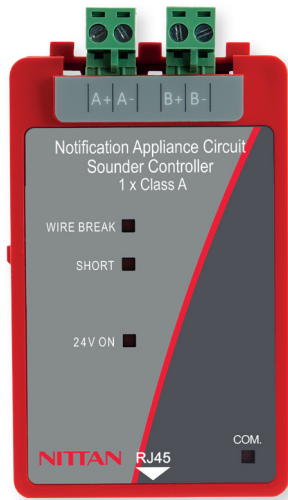# Notification Appliance Circuit Module - Class A

NMP-NCA

The plug-in NMP-NCA module provides power for and handles communications to the non-addressable notification appliances. It has one notification appliance circuit that can be wired in the class A configuration.

Up to a maximum of 1A can be connected to a single class A circuit. The circuit is supervised for open, short and earth trouble conditions and will report this status back to a Evolution UL NMP fire alarm control panel.

An additional feature that is included in the NMP-NCA module is that it has the ability to be programmed as a 24v auxiliary special application class A output, which can be used to provide power to external equipment.

Key Features

- Designed to meet UL864 10th Edition requirements.
- Built-in synchronisation circuitry (only compatible with Velocity Notification Appliances).
- Can be programmed for either unsynchronised bells or synchronised horns / chimes and beacons.
- 1 x Class A NAC output circuit (1A maximum load).
- Extensive front unit status indications (see table on page 2).
- Can be programmed as a 24v auxiliary (1A maximum load).
- Quick and easy to install by plugging the RJ45 cable into the module and control panel (cable supplied with unit).
- Power Limited.

Interior Panel View
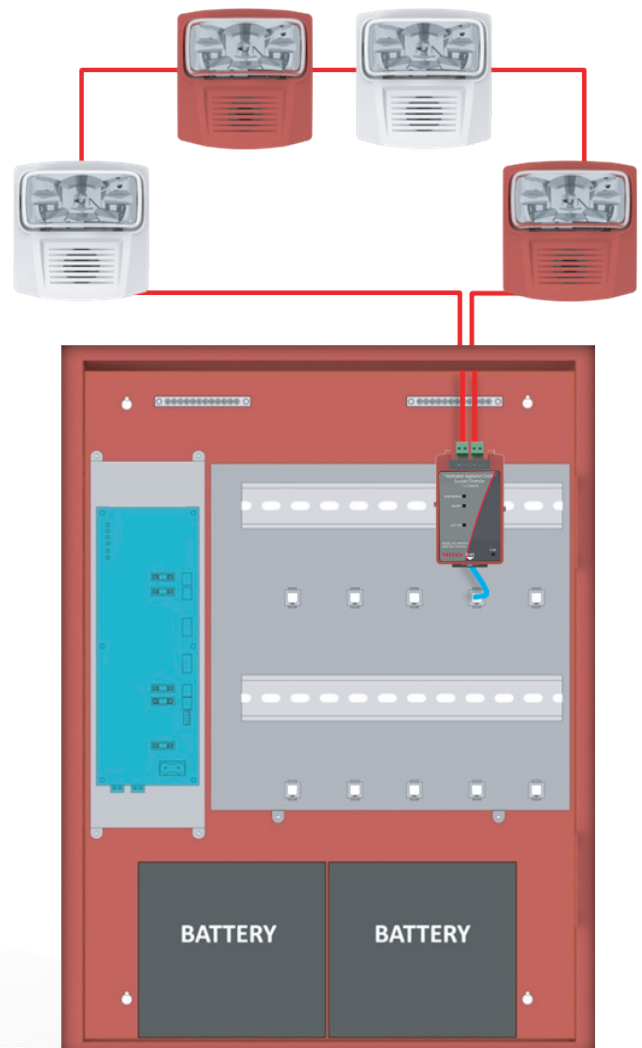
Enclosure

Dimensions
H105mm x W57mm x D47mm

Weight
0.15kg

Terminal Wiring Size
28-12 AWG

105mm

57mm   47mm
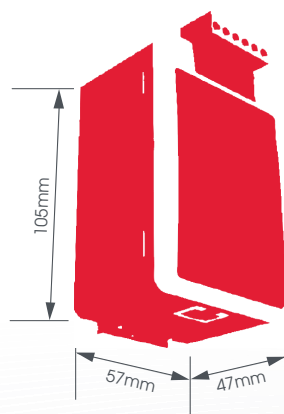
NOT TO BE USED FOR INSTALLATION PURPOSES
Nittans reserves the right to make changes at any time without notice in prices, colours, materials, components, equipment, specifications and models and also to discontinue models.

NITTAN

NMP-NCA ISSUE 2 27/07/2023

Specification

Part No. / Model No. / Description	F12-75145 / NMP-NCA / NAC Module Class A
Standard	UL864 10th Edition
Approval	UL Laboratories
NAC Voltage	Regulated 24V DC. Power Limited & Supervised.
Maximum Line Impedance	1.8Ω total (0.9Ω per core)
Maximum Current	1A
Wiring Class	1 x Class A (Power Limited & Supervised)
Special Applications	Auxiliary 24 Vdc Output (Power Limited & Unsupervised)
Operating Temperature	0°C (32°F) to 49°C (120°F)
Max Humidity	93% Non-Condensing

Compatible Devices / Accessories

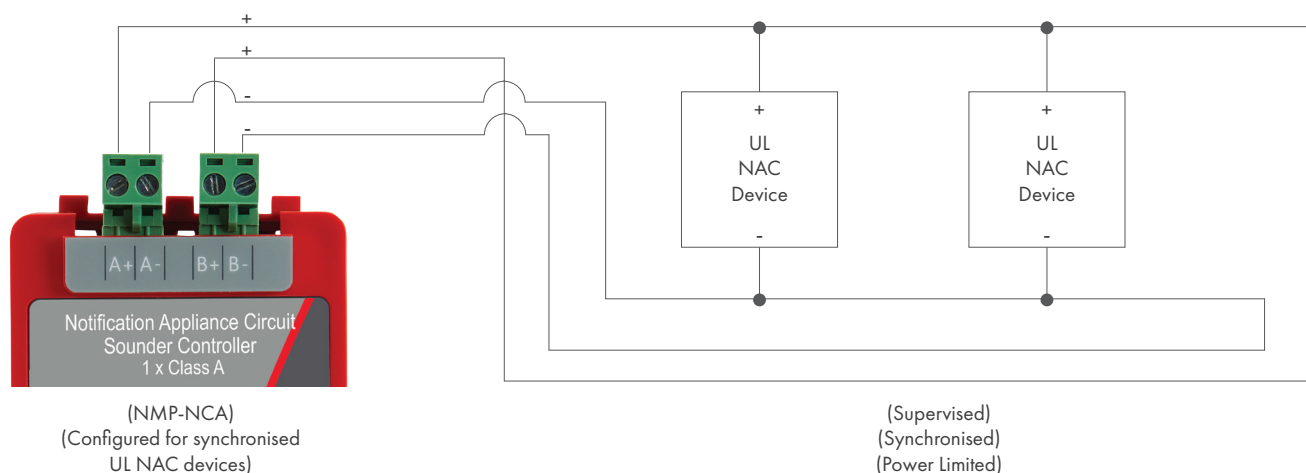| Part No.	Model No.	Description
F06-64200	VL-W-C-W	Conventional Wall Mount Chime NAC - White
F06-64201	VL-W-C-R	Conventional Wall Mount Chime NAC - Red
F06-64202	VL-W-CS-W	Conventional Wall Mount Chime & Multiple-Candela NAC - White
F06-64203	VL-W-CS-R	Conventional Wall Mount Chime & Multiple-Candela NAC - Red
F06-64204	VL-C-CS-W	Conventional Ceiling Mount Chime & Multiple-Candela NAC - White
F06-64205	VL-C-CS-R	Conventional Ceiling Mount Chime & Multiple-Candela NAC - Red
F06-64206	VL-MH-W	Conventional Mini Horn - White
F06-64207	VL-MH-R	Conventional Mini Horn - Red
F06-64208	VL-W-M-W	Conventional Wall Mount Multi-Tone Chime NAC - White
F06-64209	VL-W-M-R	Conventional Wall Mount Multi-Tone Chime NAC - Red
F06-64210	VL-W-MS-W	Conventional Wall Mount Multi-Tone Multi-Candela - White
F06-64211	VL-W-MS-R	Conventional Wall Mount Multi-Tone Multi-Candela - Red
F06-64212	VL-C-MS-W	Conventional Ceiling Mount Multi-Tone Multi-Candela NAC - White
F06-64213	VL-C-MS-R	Conventional Ceiling Mount Multi-Tone Multi-Candela NAC - Red
F06-64214	VL-W-S-W	Conventional Wall Mount Multi-Candela NAC - White
F06-64215	VL-W-S-R	Conventional Wall Mount Multi-Candela NAC - Red
F06-64216	VL-C-S-W	Conventional Ceiling Mount Multi-Candela NAC - White
F06-64217	VL-C-S-R	Conventional Ceiling Mount Multi-Candela NAC - Red

Front Unit Indications

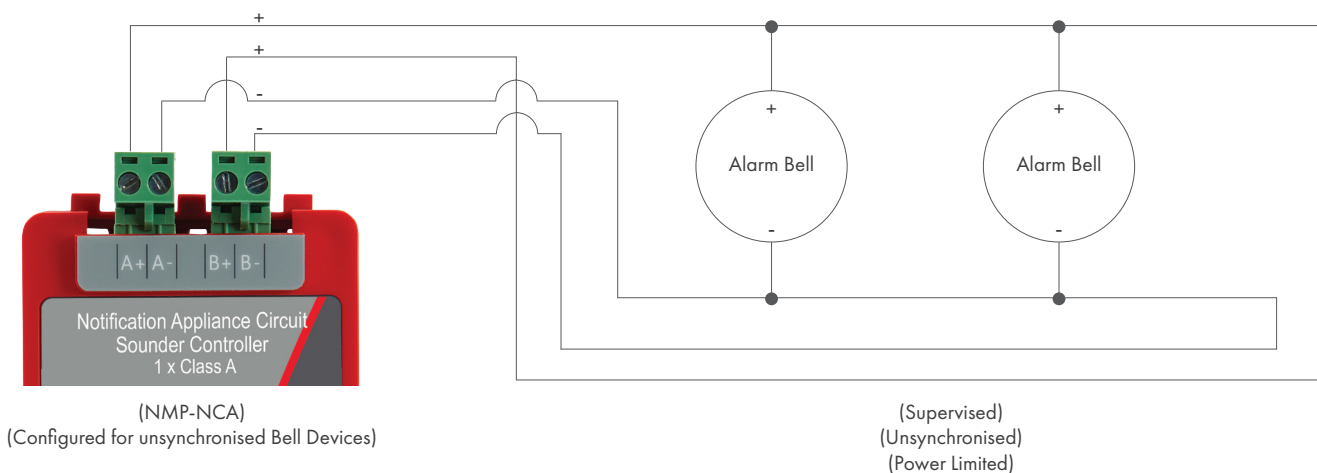| LED Indication	Description
Wire Break (Yellow)	Flashing yellow when a wire break in the circuit is detected.
Short (Yellow)	Flashing yellow when a short in the circuit is detected.
24v On (Green)	Solid green when the module is programmed to provide a 24v auxiliary output.
Com. (Green)	Pulses green to show communication between the module and the motherboard.

Typical Wiring Diagram

Class A: Synchronised UL NAC Devices

(NMP-NCA)
(Configured for synchronised
UL NAC devices)

(Supervised)
(Synchronised)
(Power Limited)

Class A: Unsynchronised UL Alarm Bell Devices

(NMP-NCA)
(Configured for unsynchronised Bell Devices)

(Supervised)
(Unsynchronised)
(Power Limited)

Auxiliary 24VDC

(Not supervised)
(Power Limited)

External
Equipment

(NMP-NCA)
(Configured as a 24v Auxiliary Output)
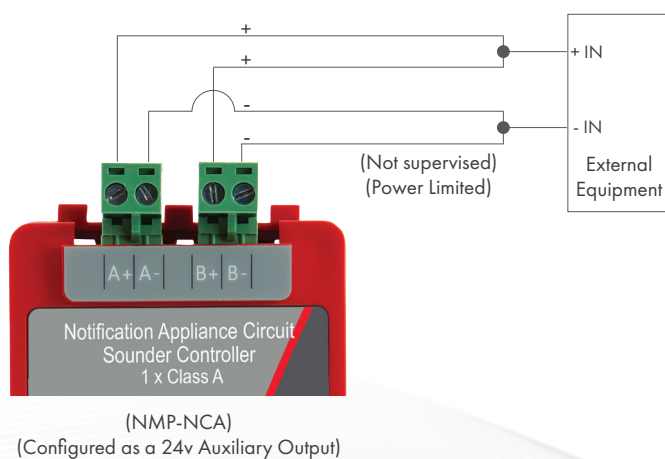
For further information on wiring, please refer to the NMP-NCA Technical Manual.