

Notification Appliance Circuit Module - Class B

NMP-NCB



The plug-in NMP-NCB module provides power for and handles communications to the non-addressable notification appliances. It has two notification appliance circuits that can be wired in the class B configuration.

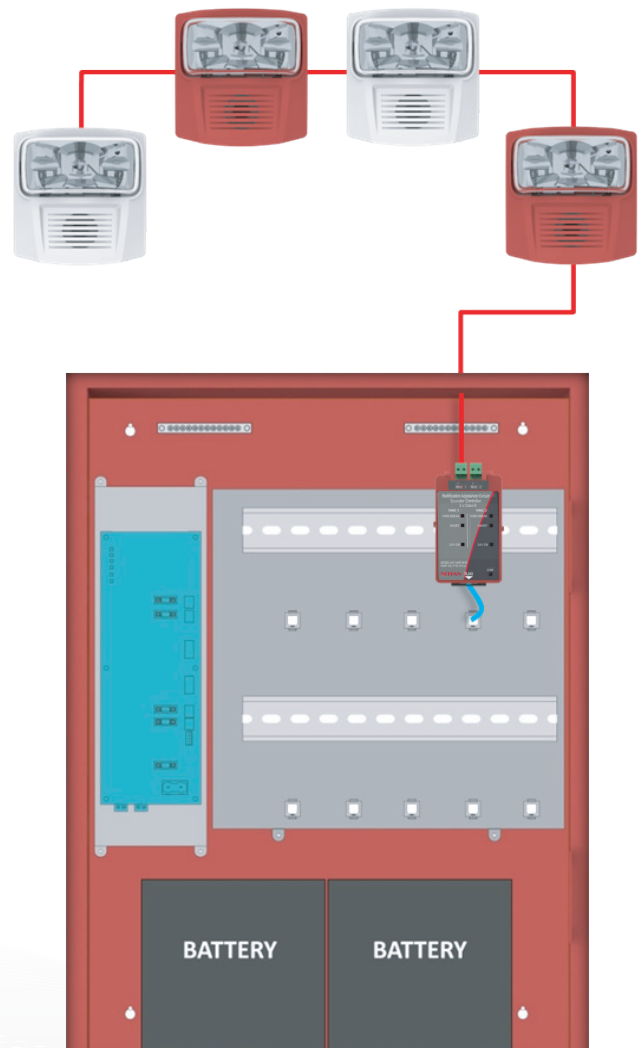
Up to a maximum of 500mA can be connected to each class B circuit. Each circuit is supervised for open, short and earth trouble conditions and will report this status back to a Evolution UL NMP fire alarm control panel.

An additional feature that is included in the NMP-NCB module is that it has the ability to program a circuit as a 24v auxiliary special application class B 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.
- 2 x Class B NAC output circuit (500mA maximum load per circuit).
- Extensive front unit status indications (see table on page 2).
- Each circuit can be programmed as a 24v auxiliary (500mA maximum load per circuit).
- 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

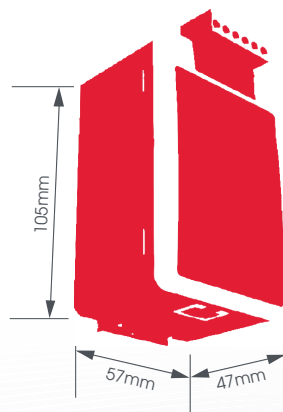
H105mm x W57mm x D47mm

Weight

0.15kg

Terminal Wiring Size

28-12 AWG



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	F12-75150 / NMP-NCB / NAC Module Class B
Standard	UL864 10 th Edition
Approval	UL Laboratories
NAC Voltage	Regulated 24V DC. Power limited & Supervised.
Maximum Line Impedance	3.6Ω (1.8Ω per core)
Maximum Current	500mA per circuit Maximum RMS current for a single notification appliance 350mA
Wiring Class	2 x Class B (Power Limited & Supervised)
Special Applications	Auxiliary 24 Vdc Output (Power Limited & Unsupervised)
End of Line Resistor	4K7Ω
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

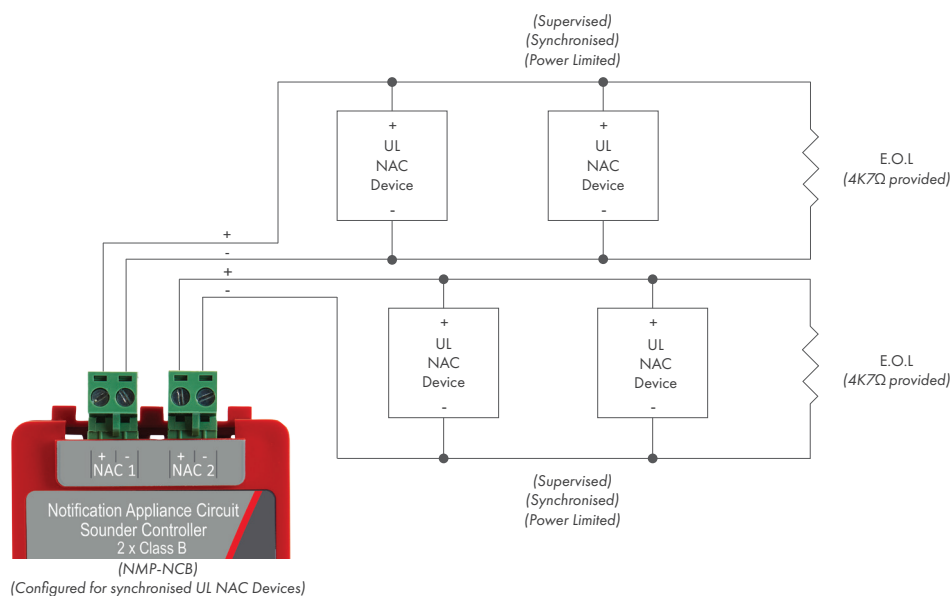
Front Unit Indications

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.

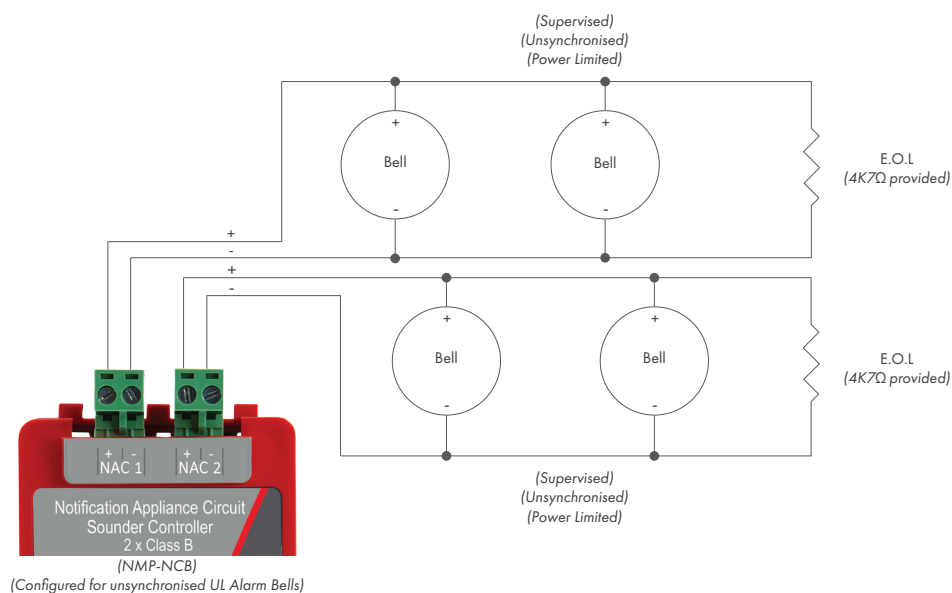
NOT TO BE USED FOR INSTALLATION PURPOSES

Typical Wiring Diagram

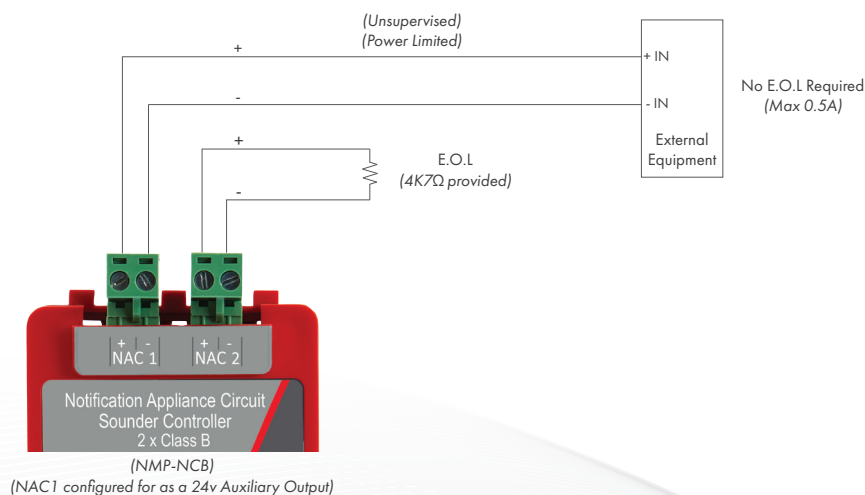
Class B: Synchronised UL NAC Devices



Class B: Unsynchronised UL Alarm Bell Devices



Auxiliary 24VDC



For further information on wiring, please refer to the NMP-NCB Technical Manual.

NOT TO BE USED FOR INSTALLATION PURPOSES