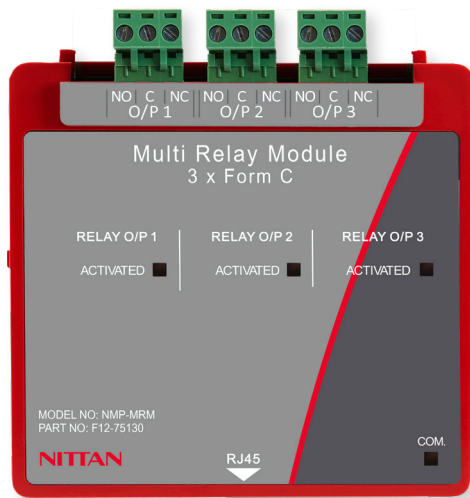# MULTI RELAY MODULE - FORM C

NMP-MRM

The NMP-MRM is relay module that is designed to be DIN mounted inside of an Evolution UL control panel. It's powered and is interfaced to the Evolution UL NMP via a RJ45 connection.
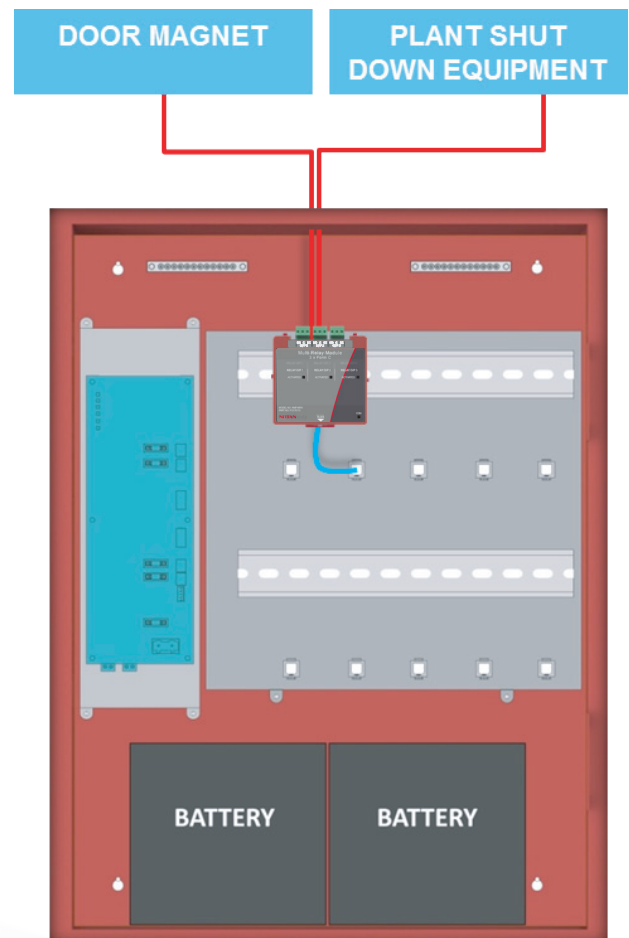
The module has three form C relays which can be typically used to control lift operation during an alarm, start fire pumps or stop ventilation fans etc.

Each relay output can be configured as a common alarm, common trouble, common supervisory or a programmable output via the Evolution UL NMP settings.

Key Features

- Designed to meet UL864 10th Edition requirements.
- 3 x Form C relay outputs.
- Each relay can be programmed to activate on alarm, supervisory, or trouble.
- 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).
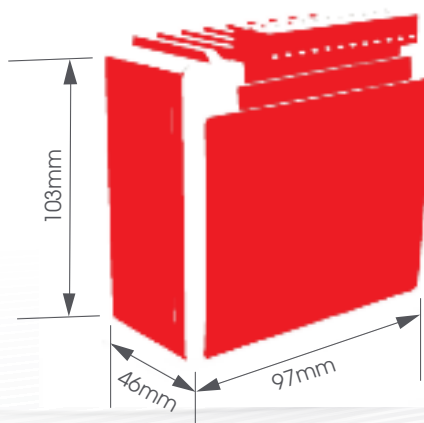
Interior Panel View

Enclosure

Dimensions
H103mm x W97mm x D46mm

Weight
0.2kg

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.
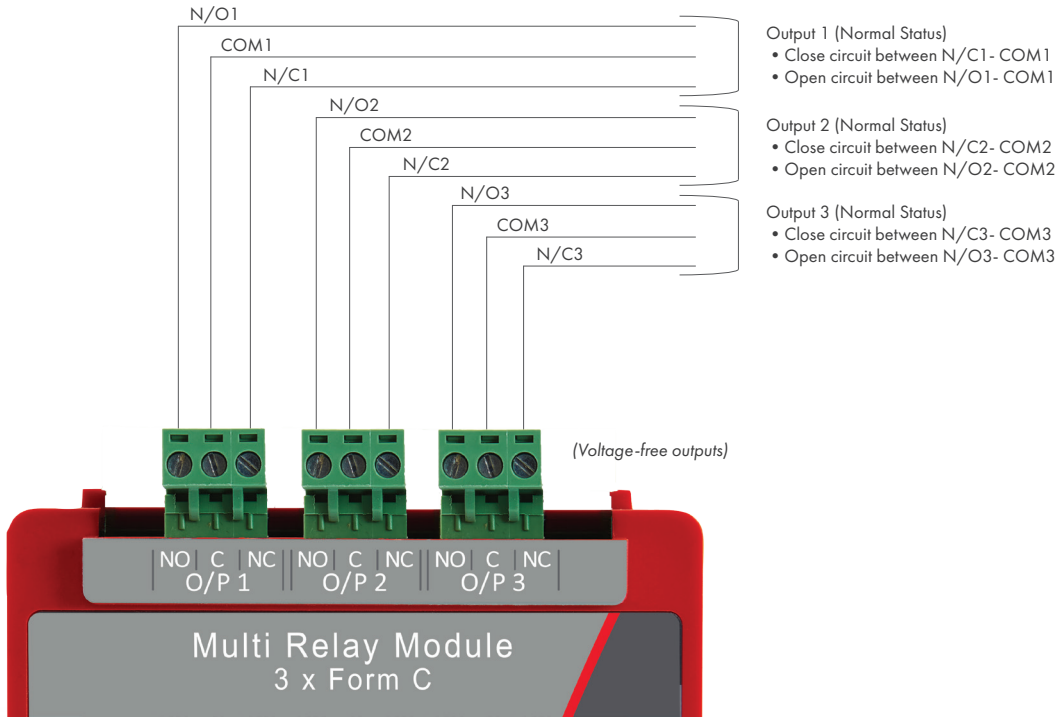
NITTAN

NMP-MRM ISSUE 1 08/04/2020

Specification

Part No. / Model No. / Description	F12-75130 / NMP-MRM / Relay Module
Standard	UL864 10th Edition
Approval	UL Laboratories
Relay Type	Form C x 3
Switching Capacity	5A, 30 Vdc (resistive)
	5A, 250Vac (general use)
Operating Temperature	0°C (32°F) to 49°C (120°F)
Max Humidity	95% Non-Condensing
Relay Modes	Alarm / Trouble / Supervisory / Programmable

Front Unit Indications

LED Indication	Description
Active (Red)	On steady when the relay is active for each relay.
Com. (Green)	Pulses to show communication between the module and the motherboard.

Typical Wiring Diagram

N/O1
COM1
N/C1
N/O2
COM2
N/C2
N/O3
COM3
N/C3

Output 1 (Normal Status)
• Close circuit between N/C1- COM1
• Open circuit between N/O1- COM1

Output 2 (Normal Status)
• Close circuit between N/C2- COM2
• Open circuit between N/O2- COM2

Output 3 (Normal Status)
• Close circuit between N/C3- COM3
• Open circuit between N/O3- COM3

(Voltage-free outputs)

| NO | C | NC | NO | C | NC | NO | C | NC |
| O/P 1 | | | O/P 2 | | | O/P 3 | | |

Multi Relay Module
3 x Form C

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