# IO954N

## Apollo Mains Switching IO Unit (SA4700-103)

### General

IO954N is the new mains switching input/output unit which contains one or more normally open contacts connected to a single pair of cables. It also provides a voltage free change over relay output capable of switching mains.

### Mechanical Construction

The IO954N is available in the new faceplate style enclosure. It is designed to be surface mounted to the wall and consists of 3 parts:
- a back box with knock-outs for cable entry
- a PCB assembly
- a protective front cover

### Ease of Installation

Improved design for ease of wiring meaning faster installation – unit can be fitted to back-box before wiring is connected. Colour coded terminal blocks for easier identification (green for loop wiring, yellow for mains wiring, grey for inputs and low voltage relays).




### Details

- Improved design for ease of wiring meaning faster installation
- Loop powered
- Contains one or more NO contacts connected on a single pair of cables
- Local LEDs signalling I/O and fault conditions
- Isolators within each device

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## Technical specifications

### Electrical

| | |
|---|---|
| Operating voltage | 17 to 35 VDC<br>5 to 13 V peak to peak (Protocol voltage) |
| Current consumption | 1.1 mA (Power-up surge)<br>0.7 mA (Quiescent)<br>0.7 mA max. (LEDs disabled)<br>5.2 mA max. (Alarm LEDs On) |

### Physical

| | |
|---|---|
| Physical dimensions | 150 x 90 x 60 mm |
| Net weight | 301 g |

### Environmental

| | |
|---|---|
| Operating temperature | -40 to +70°C |
| Relative humidity | 0 to 95% noncondensing |
| Environment | Indoor |

### Regulatory

| | |
|---|---|
| Certification | CPR, EN54-17, EN54-18 |

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