

# IO952NI

## Apollo Twin IO Unit (SA4700-104)

### General

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IO952NI is the new twin input/output unit which provides the function of two Input/Output units within one enclosure. The two units are electrically independent of each other. There is a DIL switch on each unit to set the address. Both units provide supervision of one or more normally open contacts connected to a single pair of cables and a set of changeover relay output contacts.

### Mechanical Construction

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The IO950NI 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

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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

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- Improved design for ease of wiring meaning faster installation
- Loop powered
- Each input/output unit supervise one or more NO switches on a single cable pair
- Local LEDs signalling I/O and fault conditions
- Isolators within each device

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### Technical specifications

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#### Electrical

Operating voltage	17 to 35 VDC
Protocol voltage	5-13V peak to peak

#### Output

Output type and rating	Relay 1 A at 30 VDC or VAC
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#### Physical

Physical dimensions	150 x 90 x 60 mm
Net weight	281 g

#### Environmental

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

#### Standards & regulation

Certification	CPR, EN54-17, EN54-18
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#### Current consumption

Power-up surge	0.9 mA
Quiescent	0.5 mA
LEDs disabled (max.)	0.5 mA
Alarm (LEDs On) (max.)	3.5 mA