

## DN-PR4

4-Channel DIN-Rail Mounting Power Relay Module



### Functional Description

The DN-PR4 Features a DIN-Rail mount and four form C electromechanical power relays for efficient switching of load by programmed control. The contact of each relay can control a 5 A load at 250VAC/30VDC. The relay is energized by applying a +24V voltage signal to the appropriate relay channel. Each output is equipped with a LED to display their status. Each output is equipped with a varistor that shunts the surge voltage of the inductive load or electromagnetic brake to protect the relay contact point. All relay control and relay outputs are accessible through the wiring terminals.

### Features

- 4 Form C Relays (SPDT)
- Industrial wiring terminals for easy output wiring
- Switch up to 5A at 250VAC/5A at 30VDC
- LEDs indicated relay status
- Build-in diodes to protect from wrong connection of external power supply.
- Designed Varistor to protect each channel's high voltage spike
- DIN-Rail mounting
- Connects directly to ICP CON I-7000 modules, ISO-730 isolated output, ISO-C64 output, ISO-P32C32 isolated output...etc.

### Ordering Information

DN-PR4	4-channel Power relay Module, 1 form C
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### Specifications

- Channels: 4
- Relay type: SPDT (FORM C)
- **RELAY**
- Nominal load: 5A/250VAC, 5A/30VDC
- Max. Switching power: 0.1HP
- Max. Switching Voltage: 270VAC, 150VDC
- Max. Switching Current: 5A
- Life Expectancy: Mechanical (2\*10<sup>7</sup>), Electrical (3\*10<sup>4</sup>)
- Time Value: Operate (10ms)
- Control Logic: Input +24V, relay off
- Power requirements: 24Vdc
- Power consumption: 2.2W
- Dimensions: 77mm(L)\*101mm(W)\*46mm(H)
- Operating Temperature: 0-60°C
- Storage Temperature: -20-70°C
- Humidity: 5% to 90%; noncondensing
- Varistor
  - Maximun applied voltage: 300Vrms
  - Clamping voltage: 760V (10A)
  - Varistor voltage: 470V (current=1mA)
  - Max. peak current: 1200A for 8 msec.

### Options

ACE-540A: 24V/2A output power supply 85v-264VAC input range

### Applications

- On/off control
- Energy management
- Test Automation
- Process Control