

ZELIO[®] LOGIC RELAY

The smart alternative to traditional relays, timers, counters and small PLCs



Product Applications

Small machines

- displays, scrolling publicity panels
- automatic distributors
- pumping systems
- irrigation, water treatment
- washing machines
- car washes
- grinders
- mixers
- ovens
- ice machines
- hoists, goods lifts
- conveyors
- palletizers

Building automated systems

- automatic door and barrier control
- travelators
- roller blinds
- passage counting, access control
- car park management
- ventilation, air conditioning, boiler houses
- solar energy management
- generator units
- lighting, shop windows, illuminated signs
- refrigerated cabinets

More than just a typical relay, the TELEMECANIQUE ZELIO Logic Relay accepts input and outputs like a relay, but is easy to program. This relay can be setup quickly with user-friendly ZELIO-SOFT software, which is programmable in three common languages: ladder logic, electrical diagrams or ZELIO symbols.

ZELIO Logic Relays are ideal for applications wherever relays, timers and counters are used in control panels or machine tools. Additional applications include semi-conductor machinery for simple logic, HVAC equipment control, industrial control circuits and automated systems.

ZELIO Logic Relays are available with four or eight outputs and accept a wide range of input voltages. AC versions are available with input voltages of 120 or 240 Vac, and DC versions are available with input voltages of 24 Vdc.

Features and Benefits

- **Built-in timers, counters and time clocks** make this relay an economical alternative to small PLCs
- **Compact size** saves valuable panel space
- **DIN rail mounting** reduces installation time
- **LCD on the unit** displays operating parameters for easy application monitoring
- **Coherence test** feature of ZELIO-SOFT software flags the slightest error in logic
- **Fingersafe design** protects installers from exposure to electrical components
- **CE, UL and CSA compliance** meets globally accepted standards

Merlin Gerin

Modicon

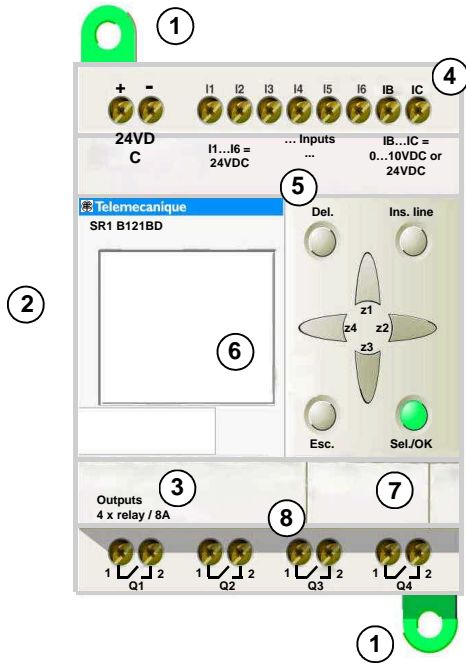
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Telemecanique



SQUARE D
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ZELIO[®] Logic Relay Product Features



- ① Retractable feet for direct mounting
- ② 35mm DIN three-track mounting
- ③ Customer marking area provided
- ④ Six to 12 inputs for connection of sensors, push buttons, limit switches, pressure switches, analog signals, etc.
- ⑤ Eight easy-to-use keys for programming and setting parameters
- ⑥ Display used for programming and setting parameters. Messages can be shown in one of six languages.
- ⑦ Location for EEPROM cartridge, a cable connection to a computer or a cover as shown
- ⑧ Four or eight relay outputs to control contactors, starters, solenoid valves, indicators, etc.

Ordering Information

Relays

| Supply Voltage | Inputs | Outputs | Blind Version | With Clock | Catalog Number |
|----------------|------------------|--------------|---------------|------------|----------------|
| 24 Vdc | 6 - 24 Vdc | 4 Relay | No | No | SR1A101BD |
| | 6 - 24 Vdc | 4 Relay | Yes | No | SR1D101BD |
| | 8 - 24 Vdc ▲ | 4 Relay | No | Yes | SR1B121BD |
| | 8 - 24 Vdc ▲ | 4 Relay | Yes | Yes | SR1E121BD |
| | 8 - 24 Vdc ▲ | 4 Transistor | No | Yes | SR1B122BD |
| | 12 - 24 Vdc | 8 Relay | No | No | SR1A201BD |
| | 12 - 24 Vdc ▲ | 8 Relay | No | Yes | SR1B201BD |
| 100 - 240 Vac | 6 - 100/240 Vac | 4 Relay | No | No | SR1A101FU |
| | 6 - 100/240 Vac | 4 Relay | No | Yes | SR1B101FU |
| | 6 - 100/240 Vac | 4 Relay | Yes | No | SR1D101FU |
| | 6 - 100/240 Vac | 4 Relay | Yes | Yes | SR1E101FU |
| | 12 - 100/240 Vac | 8 Relay | No | No | SR1A201FU |
| | 12 - 100/240 Vac | 8 Relay | No | Yes | SR1B201FU |

Separate Accessories

| Description | Catalog Number |
|--|----------------|
| Relay to PC interconnecting cable - 1.8 m length | SR1CBL01 |
| EEPROM memory cartridge (1 k bytes) | SR1MEM01 |
| ZELIO-SOFT Software | SR1SFT01 |
| Instruction Manual | SR1MAN01 |

▲ 2 configurable analog inputs

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