

ZELIO[®] LOGIC RELAY

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

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 semiconductor 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.

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

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

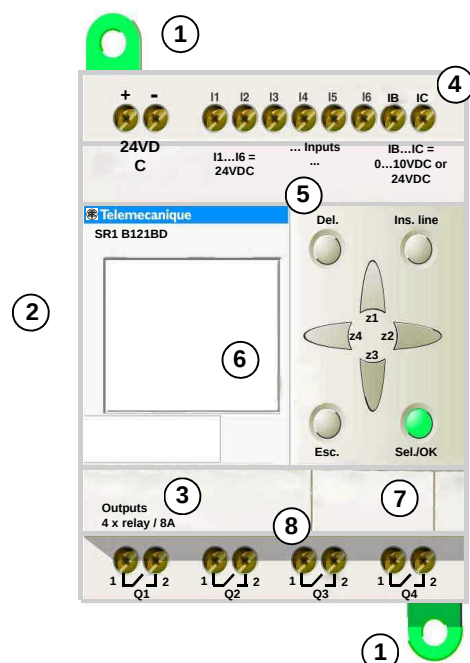
Square D

Telemecanique



SQUARE D
Schneider Electric

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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