

EL.CO. Approvals

All our products are manufactured in compliance with the main international standards. This ensures safety, reliability and a high level of electromagnetic interference which give our products the maximum duration that can be found on the market.



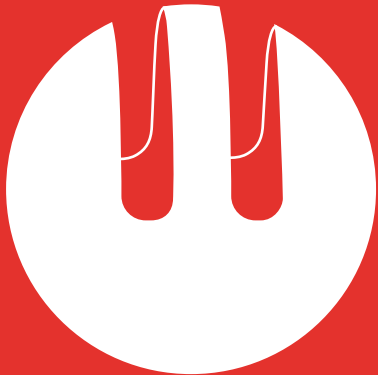
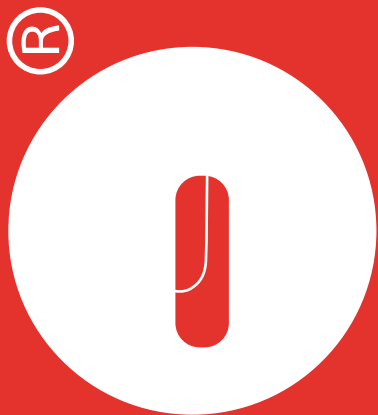
EL.CO. Solutions

EL.CO. in addition to developing technologically advanced products, it focuses on creating ad hoc solutions for customers in order to facilitate the choice of products and suggest the best.

- Food & Beverage
- Packing Industry
- Injection Molding



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PRODUCT RANGE
2025



Sphere Line

A new way to connect the products

Sphere Line is a system of interconnected products able to communicate to each other through the RS485. All products belonging to the sphere line are equipped with advanced hardware and software. Through the sphere line it is possible to create an electrical panel with an integrated system for both the installer and the end user. This system makes all the products highly use-friendly.



Sales Distributor

- Italy
- Germany
- Spain
- Poland
- Denmark
- Sweden
- USA
- Morocco
- Romania
- Greece
- Island
- Chile
- Thailandia
- UK
- Portugal
- Finland

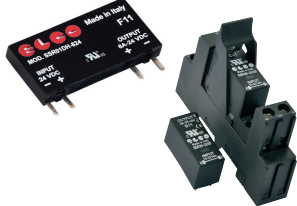
SOLID STATE SWITCHING

Solid State Relays are a fully electronic switching devices, which do not have moving parts inside. This gives to the SSRs the following advantages: Long life, Silent operation, Very low energy consumption, Very high switching frequency, Vibration resistance, Possibility of diagnostics and others. Solid state relays are divided into zero-crossing and random switching mode. EL.CO. produces more than 500,000 relays per year with unique products on the market.

PCB Mounting Relays

8A 5mm Unique in the world
12A 12.7mm Unique in the world

- From 2A to 12A
- 5 or 12,7 mm width
- High switching speed
- Low control power
- Output voltage up to 275V AC or up to 35V DC
- Isolation voltage up to 3,75KV
- AC or DC voltage



DIN Rail Mounting

15A 6.2mm Unique in the world

- From 500mA to 60A
- 17,5 mm from 15A to 30A
- 6,2 mm up to 15A
- Zero crossing commutation or random switching
- Output voltage up to 600 VAC
- Peak voltage up to 1200V
- Up to 5000V input-output insulation
- Protection with varistor
- Overload and overtemperature protections



Panel Mounting Solid State Relays

- From 25A to 125A
- Zero crossing and instant commutation
- Peak voltage up to 1600V
- Protection with varistor
- Conformance to EN 60335-1
- 4000 V input-output insulation



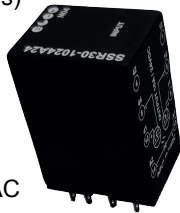
Monitoring and Temperature controller

- From 2A to 40A
- Protection against polarity inversion
- Alarm threshold -10% **E-teach**
- Modbus RS485 RTU
- Probes TCJ, TCK, PT100 (Only for ELCT40-S)
- Analog conversion module (Only for ELCA)
- Accessories for SSR170H from a5A to 40A



Forced ON Relay

- Suitable for 8 pins socket for din rail mounting (ZM8 and ZM8P as accessories)
- Led input voltage
- Forced ON status through built-in switch (only for single output models)
- 4 versions available: single DC, single AC, double DC and double AC
- Input voltage up to 32Vdc
- Output current up to 10A
- Output voltage up to .35VDC or up to 275VAC
- 2500V in-out-output insulation
- Built-in RC and MOV protection for AC output models

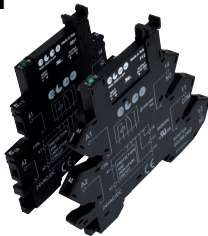


INTERFACING

Solid state and electromechanical relays ensure high accuracy and reliability in two totally different ways. EL.CO. guarantees the possibility of using both static and electromechanical relays through unique interfaces, bringing our small relays directly to the din bar.

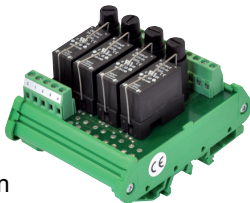
Breadth 6,2mm and 14mm

- Up to 8A
- 20 pole comb (6,2 mm), 8 pole comb (14 mm) for in parallel interface connection
- Protection degree IP20
- Drawbar for din rail
- Up to exchange contacts
- Static and electromechanical relays
- 3 types of connection (screw, spring, push-in)



Relay Interface Modules

- Up to 16 relay modules (for electromechanical relay)
- Up to 16 relay modules (for static relay)
- Up to 10A
- Custom-made output with fuse protection
- Drawbar for din bar



TIMING, PROTECTING & MONITORING

EL.CO. is specialized in the development of products related to the family of timers and protection relays. In this way EL.CO. provides a full range of products to its customers.

Modular Protection Relays

- 17,5 mm
- Phase sequence and phase loss
- Under and over voltage relays
- Current relay
- Liquid Level Control
- Motor protection relays
- Phase sequence and phase loss up to 690V



Timers

- 17,5 mm
- Universal supply 24-75VDC / 24-240VAC
- Din rail mounting
- 1 Exchange contact
- Multi scale timer
- Multi function timer
- Asymmetrical
- Star-Delta



TEMPERATURE CONTROLLING

Experience and technology are the basis of this range of products capable of responding to any installation and performance requirement. From the entry level thermoregulator to the more sophisticated one with maximum integration between hardware and software. EL.CO. offers a range of products of various sizes, with different unique performances.

48x48

- From 35 mm to 80 mm depth
- ON/OFF and PID control
- Panel mounting
- Thermocouples: J, K, S, R, T
- Thermoresistors: PTC, NTC PT100, PT1000
- Linear signals: 0/12...60mV, 0/4...20mA, 0/1...5V, 0/2...10V
- Up to 4 outputs
- RS485 Modbus option
- Programmable



35x78 and 48x96

- Up to 85 mm depth (35x78)
- Up to 100 mm depth (48x96)
- ON/OFF and PID control
- Panel mounting
- Thermocouples: J, K, S, R, T
- Thermoresistors: PTC, NTC PT100, PT1000
- Linear signals: 0/12...60mV, 0/4...20mA, 0/1...5V, 0/2...10V
- Up to 6 outputs
- RS485 Modbus option
- Also suitable for refrigeration (35x78)



DIN Rail Modules

- From 17 to 35 mm
- Up to 2 output
- More than 100.000 operations
- Thermocouples J, K, S
- Thermoresistors PT100, PTC, NTC
- Linear signals: 0/12...60mV, 0/4...20mA, 0/1...5V, 0/2...10V
- Modbus RTU
- Power supply 24V or 240V



CONVERTING

The EL.CO.'s temperature transmitters and signal conditioners series, are characterized by: high precision, compact size, low consumption and reliability. The configuration of the signals can be set via dip switch.

Breadth 6,2mm

- DIN rail mounting
- Width 6.2mm
- Three way insulation 1K5V
- Configurable via Modbus-RTU (RS485)
- Power Supply 19...30 Vdc
- Signal output 0-10V or 0/4...20mA
- Bus on bar for power supply and RS 485 via accessory
- 5 different type of inputs in 5 different products (0...10V/0-4...20mA - PT100/NI100 - PT1000/NI1000 - TC=J,K,E,N,S,R,B,T - PTC/NTC)



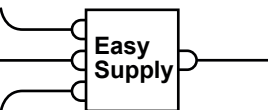
Bridge-Gateway and Serial Isolators

- Converts isolators for RS485 <-> USB, RS485 <-> RS232, RS485 <-> Wi-Fi
- Gateway Modbus RTU (RS485) <-> Modbus TCP (Ethernet)



Serial Converter

- DIN rail mounting
- Width 6.2mm
- Three way insulation 1K5V
- Configurable via Modbus-RTU (RS485)
- Power Supply 19...30 Vdc
- Bus on bar for power supply and RS 485 via accessory
- 2 different serial convertor(232/485 and 485/485)

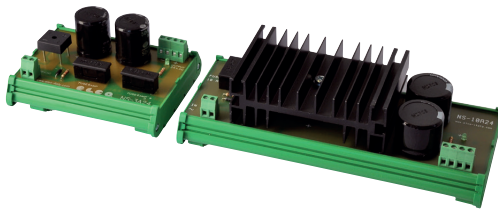


POWER SUPPLIES

EL.CO. offers a full range of power supplies. Their wide range of operations allows them to operate anywhere in the world. They are designed to be easy to use and install.

NS Series non Stabilized Power Supplies

- Degree of protection IP00
- Red input voltage signalling led
- Red output voltage signalling led
- Operating temperature -5 - +50°C
- Extra protection input currents via fuse
- Extra protection output currents via fuse
- Mounted on DIN - omega bar



Redundant Power Supply

- DIN rail mounting
- Width 6.2mm
- Three way insulation 1K5V
- Power Supply 19...30 Vdc on two separate input, with negative terminal connect
- Output voltage on bus bar, power supply to other devices via accessory

