



xLogic SUPERRELAY



- ❖ Connect optional SMS / GSM message module.
- ❖ Connect HMI / Operator Panel using Modbus.

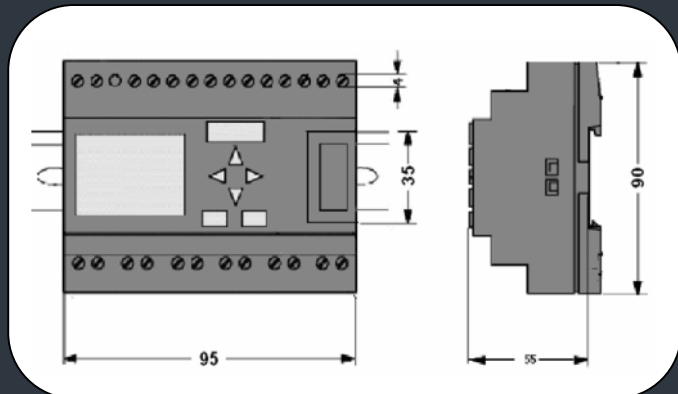
# ELC-18 Economy

<u>MODEL</u>	<u>POWER SUPPLY</u>	<u>INPUTS</u>	<u>OUTPUTS</u>	<u>RTC</u>	<u>PWM</u>	<u>HSC*</u>
ELC-18AC-R-E	AC 110~240V	12 Digital	6 Relays	Yes	No	No
ELC-18AC-L-R-E	AC 110~240V	12 Digital	6 Relays	Yes	No	No
ELC-18DC-D-R-E	DC12V – DC24V	12 Digital	6 Relays	Yes	No	No
ELC-18DC-D-TN-E	DC12V – DC24V	12 Digital	6 Transistors	Yes	No	No
ELC-18DC-D-TP-E	DC12V – DC24V	12 Digital	6 Transistors	Yes	No	No
ELC-18DC-DA-R-E	DC12V – DC24V	8 Digital / Analog + 4 Digital	6 Relays	Yes	No	No
ELC-18DC-DA-TN-E	DC12V – DC24V	8 Digital / Analog + 4 Digital	6 Transistors	Yes	No	No
ELC-18DC-DA-TP-E	DC12V – DC24V	8 Digital / Analog + 4 Digital	6 Transistors	Yes	No	No

\* HSC = High Speed Count

## GENERAL SPECIFICATIONS

Timers	: 256
Counters	: 256
Function Blocks	: 256
Operation temp.	: 0°C-55°C
Storage	: -40°C-70°C
Protection	: IP20
RTC accuracy	: MAX ±5S/day
RTC time intervals	: 256
RTC Backup at 25 °C:	10 hours
Power-off retentivity	: yes
Storage capacity	: 128K
Dimensions	: 95*90*55 Unit mm
Certificate	: CE
Installation	: DIN rail or screw for installation
Expansion capacity	: 31 modules (ELC-E-16, CAN BUS)



ELC-18AC-R-E

**Power supply**

Rated voltage: AC 100-240V  
 AC220V consumption: 3W  
 Main voltage operation range: AC85-256V  
 Allowable main frequency: 47-63Hz

**Digital input**

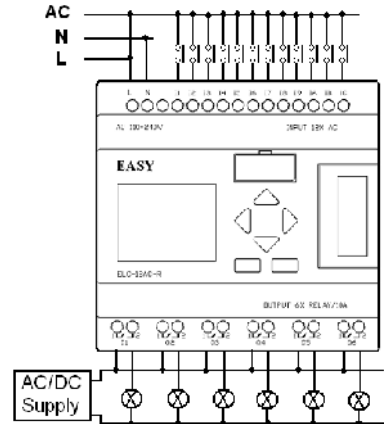
Signal 0: AC 0-40V  
 Signal 1: AC79-240V  
 Input current: < 0.03mA  
 Input current: >0.08mA

**Digital output**

Output type: relay output  
 continuous current max value: MAX. 10A

**Switch frequency**

Mechanism: 10Hz  
 Resistor load: 2Hz  
 Inductive load: 0.5Hz



ELC-18DC-D-R-E

**Power supply**

Rated voltage: DC12-24V  
 (Output full-load) Typical 3W  
 Main voltage operation range: 10V-28V

**Digital input**

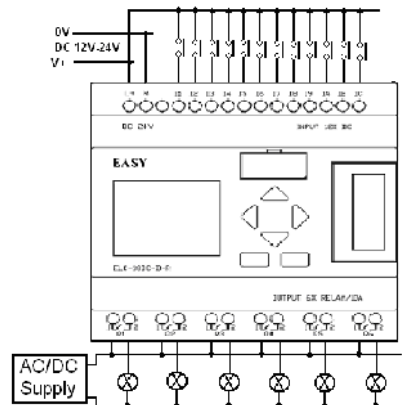
Signal 0: DC 0-3V  
 Signal 1: DC 8-24V  
 Input current: < 1.0mA  
 Input current: >1.5mA

**Digital output**

Output type: relay output  
 continuous current max value: MAX. 10A

**Switch frequency**

Mechanism: 10Hz  
 Resistor load: 2Hz  
 Inductive load: 0.5Hz



ELC-18DC-DA-R-E

**Power supply**

Rated voltage: DC12-24V  
 (Output full-load) Typical 3W  
 Main voltage operation range: 10V-28V

**Digital input**

Signal 0: DC 0-3V  
 Signal 1: DC 8-24V  
 Input current: < 1.0mA  
 Input current: >1.5mA

**Analog input**

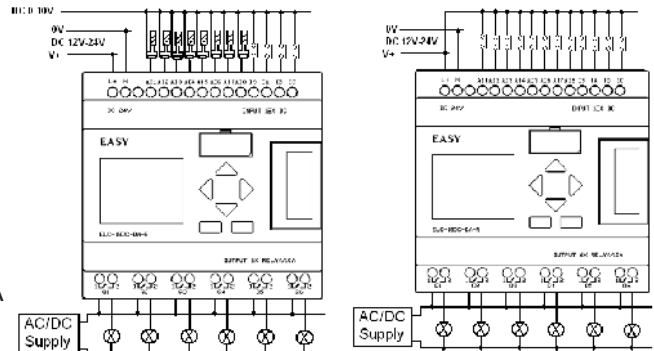
Signal: DC 0-10V

**Digital output**

Output type: relay output  
 continuous current max value: MAX. 10A

**Switch frequency**

Mechanism: 10Hz  
 Resistor load: 2Hz  
 Inductive load: 0.5Hz



**ELC-18DC-D-TP-E**

**Power supply**

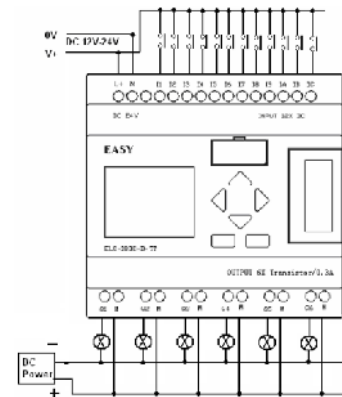
Rated voltage: DC12-24V  
 (Output full-load) Typical 3W  
 Main voltage operation range: 10V-28V

**Digital input**

Signal 0:DC 0-3V  
 Signal 1:DC 8-24V  
 Input current: < 1.0mA  
 Input current: >1.5mA

**Digital output**

Output type: transistor (PNP type)  
 continuous current max value: MAX.0.3A



**ELC-18DC-DA-TP-E**

**Power supply**

Rated voltage: DC12-24V  
 (Output full-load) Typical 3W  
 Main voltage operation range: 10V-28V

**Digital input**

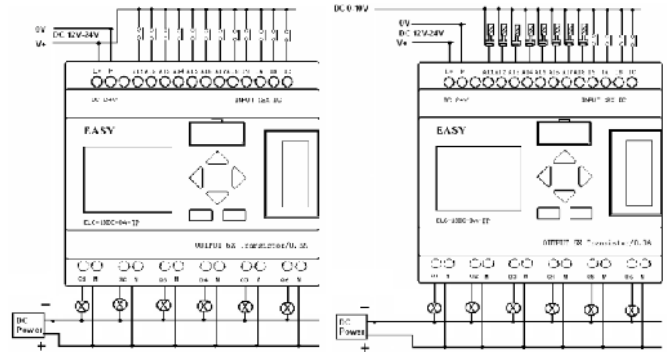
Signal 0:DC 0-3V  
 Signal 1:DC 8-24V  
 Input current: < 1.0mA  
 Input current: >1.5mA

**Analog input**

Signal: DC 0-10V

**Digital output**

Output type: transistor (PNP type)  
 continuous current max value: MAX. 0.3A



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[www.isel.com.mx](http://www.isel.com.mx)