

XLE-EL-PLR-R1-24V-10P-4XR-LPR-M1

8A Programmable Logic Relay - 24V - (6) DC Inputs, (2) Analog Inputs, (4) Outputs - Pre-programmed

Product ID: 282075

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

XLE-EL-PLR-R1-24V-10P-4XR-LPR-M1 Programmable Logic Relay

Unit Type: 10-point Programmable Logic Relay (Pre-programmed)

Dimensions: 7.07" x 4" x 1.3"

Weight: 1 lb

Input Voltage: 20.4 - 28.8V

Inputs: (6) DC Inputs, (2) Analog Inputs

Current Rating: 8A

HP Rating: 1/3HP @ 120V, 1/2HP @ 250V

Maximum Load: Resistive- 8A/point; Inductive- 4A/point

Maximum Operating Time: 15ms (Normal Condition)

Minimum Load: 16.7mA

Programming Languages: Ladder/Function Block

Program Memory: 300 Lines or 260 Function Blocks

Programming Storage Media: Flash

Execution Speed: 10ms/cycle

LCD Display: 4 Lines x 16 Characters

Function Keys: 8, 4 User-defined (Z Inputs)

Auxiliary Coils: 126 (63 M-coils, 63 N-coils)

Timers: 31 T-coils

Ratings/Approvals

IP20

Pre-programmed Settings

Timing Ranges: 0.01s–9999min
Counters: 31 C-coils
RTC (Real Time Clock): 31 R-coils
Resolution: 1 Min
Time Span Available: Week, Year, Month, Day, Hour, Min
Daylight Savings Feature: Yes
Power Off RTC Retention: 240 Hours
Compare Instructions (Analog, Timer, or Counter Values): 31 G-coils
Compare Functions: EQ, LT, GT, LE, GE, NE
PID Control (Proportional-Integral-Derivative): 15 Loops (PI Coils)
Math Instructions: 62 (31 AS Coils, 31 MD Coils) Up to 124 Additional (Plus Unused T, C, R, G coils)
Math Operations: + - x /
Data Multiplexer Instructions: 15 (MX Coils)
Resolution: 2-bit, 4 Data Registers
Data Registers: 240 (DR Coils, 16-bit)
Shift Instruction: 1 8-bit (S Coil)
Analog Ramp Instructions: 31 (AR Coils)
Current Consumption: 3.2mA @ 24V DC
Transistor Type: 3-wire PNP Sensor Compatible
High Speed Input Frequency: 1kHz
Standard Input Frequency: < 40 Hz
Required Protection: Inverse Voltage Protection
Resolution: 12 bit
Protection: Short Circuit
Life Expectancy (Rated Load): 100k Operations
Pre-programmed 1 Relay: Upon trigger, on 3 seconds off 2 seconds for six on cycles, 15 second delay and repeat 3 seconds on 2 seconds off for six more on cycles
Pre-programmed 2 Relay: Upon trigger, on 3 seconds off 2 seconds for two on cycles, 15 second delay and repeat 3 seconds on 2 seconds off for two more on cycles
Operating Temperature Range: -20° to 55°C
Contact Material: Ag Alloy
Mount: Surface/Wall
Outputs: (4)
Wire Size: 26 to 14 AWG

Special Orders - Special Requirements

Contact us for special requirements

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The Larson Electronics XLE-EL-PLR-R1-24V-10P-4XR-LPR-M1 Programmable Logic Relay provides seamless control solutions for industrial devices, machines and systems. Compatible with 24V, the 10-point unit has six DC and two analog inputs, as well as four accessible outputs. The IP20 rated PLR features Ag alloy contacts. This device has been pre-programmed.

The XLE-EL-PLR-R1-24V-10P-4XR-LPR-M1 offers reliable control of machines, devices and system components in industrial facilities. Suitable for automation, this unit is compatible with 24V. Operators may access six DC and two analog inputs, as well as four outputs. This 10-point PLR features short circuit protection (inverse voltage protection is required). The device can be setup using ladder/function block programming. This IP20-rated unit has Ag alloy contacts and is compatible with surface or wall mounting installations.

This unit has been pre-programmed for connection with two relays. When triggering the first relay: on 3 seconds off 2 seconds for six on cycles, 15 second delay and repeat 3 seconds on 2 seconds off for six more on cycles. When triggering the second relay: on 3 seconds off 2 seconds for two on cycles, 15 second delay and repeat 3 seconds on 2 seconds off for two more on cycles. At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power

accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@microelectronics for more information about our custom options tailored to meet your specific industry needs.



Frequently Asked Questions (FAQ)









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Product ID: 282075

Warranty: 12 Months

Export Control Classification Number (ECCN): EAR99

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