



Product designation	Micro PLC - Base module
Product type designation	LRD12RD024
Auxiliary supply voltage	24VDC
Number of inputs	Nr. 6 digital + 2 digital/analog
Number of outputs	Nr. 4 relay
Max I/O number	12 (8 inputs + 4 outputs) up to 36 with LRE modules

Power supply

Rated auxil. supply voltage	24VDC
Operating voltage range	20.4...28.8VDC
Average current consumption	mA 125
Power consumption Max	W 4.5

Digital inputs

Number of digital input	Nr. 6 + 2 digital/analog
Rated voltage	V 24VDC
Input signals	State 0 (OFF) State 1 (ON)
	<5VDC >15VDC

Response time	0 to 1 (OFF-ON)	4ms (0.5ms for high speed)
	1 to 0 (ON-OFF)	4ms (0.3ms for high speed)

Analog inputs

Number of analog input	Nr.	2 digital/analog	
Analog input type		Voltage inputs	
Inputs signal range	V	0...10	
Resolution		0.01V	
Bit of conversion	bit	10	
Current consumption at	10VDC	mA	<0.17mA
Input impedance		kΩ	>40
Admissible overload		VDC	28
Sampling time		ms	5...20ms(LADDER) 2...10ms (FBD)
Maximum cable lenght		m / ft	≤30m/98ft (shielded wire)

Digital outputs

Number of digital output	Nr. 4
type	Relay

System resources

Display	LCD display, 4 lines x 16 characters
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Connections

Terminals type	Screw
Tightening torque for terminals	max Nm 0.6 Max lbft 0.4
Conductor section	
AWG/Kcmil	min 26 max 14
IEC	min mm ² 0.14 max mm ² 2.5

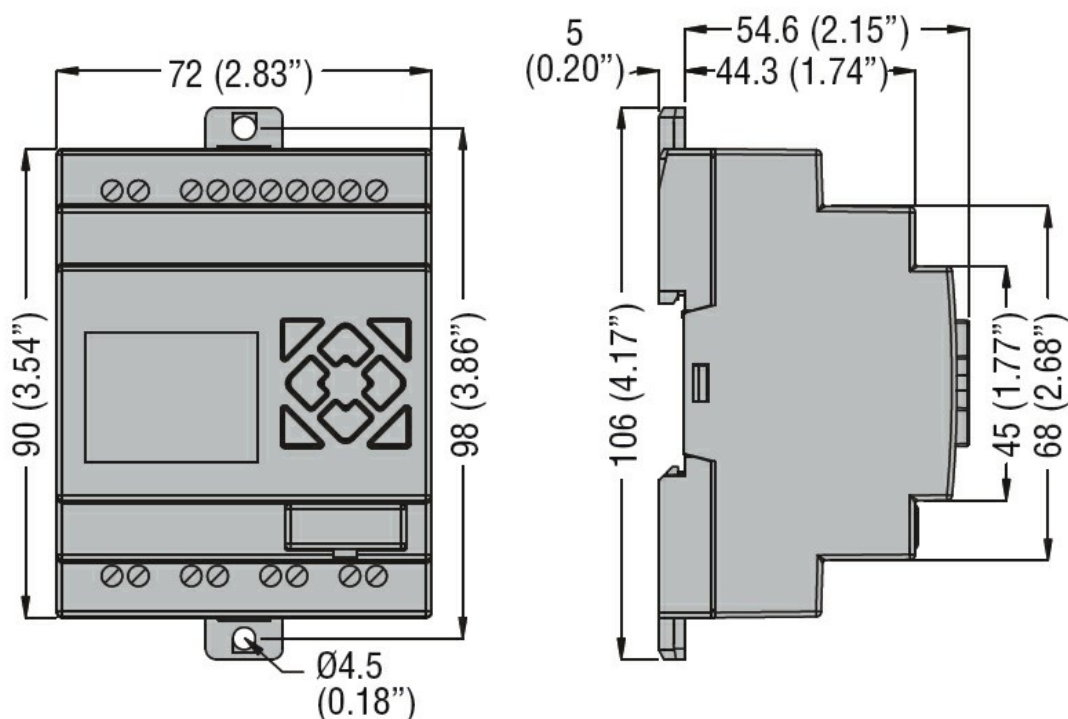
Ambient conditions

Temperature	Operating temperature	min °C -20 max °C +55
	Storage temperature	min °C -40 max °C +70
Relative humidity	%	20...90% without condensation

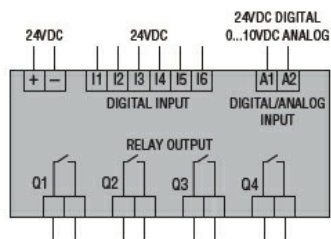
Housing

Mounting	35mm DIN rail or screw fixing (M4x20mm)
Degree of protection	IP20
Dimensions (W x H x D)	mm 72 x 106 x 59.6
Weight	g 241

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 142

IEC/EN 61131-2

UL508

Certificates

cULus

EAC

ETIM classification

ETIM 8.0

EC001417 -
Logic module