



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) 1 to 0 (ON-OFF)	4ms (0.5ms for high speed) 4ms (0.3ms for high speed)
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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 length			m / ft
			≤30m/98ft (shielded wire)

Digital outputs			
Number of digital output	Nr.		4
type			Relay

System resources			
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Display	LCD display, 4 lines x 16 characters
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Connections

Terminals type	Screw
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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

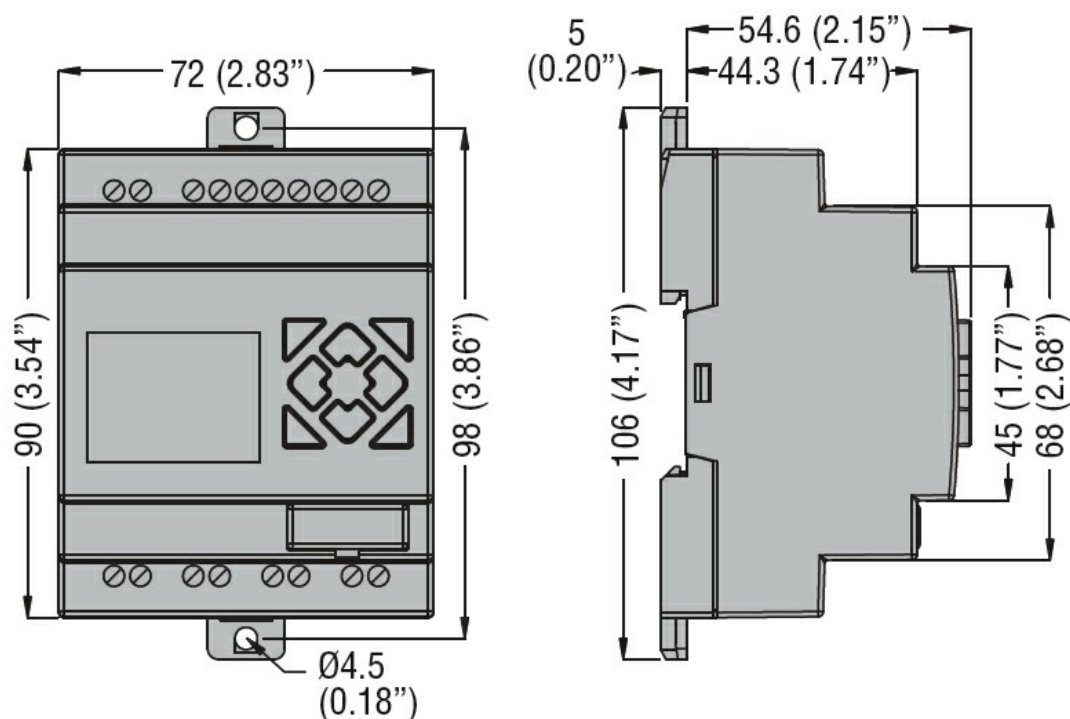
Ambient conditions

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

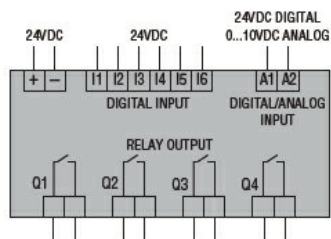
Housing

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