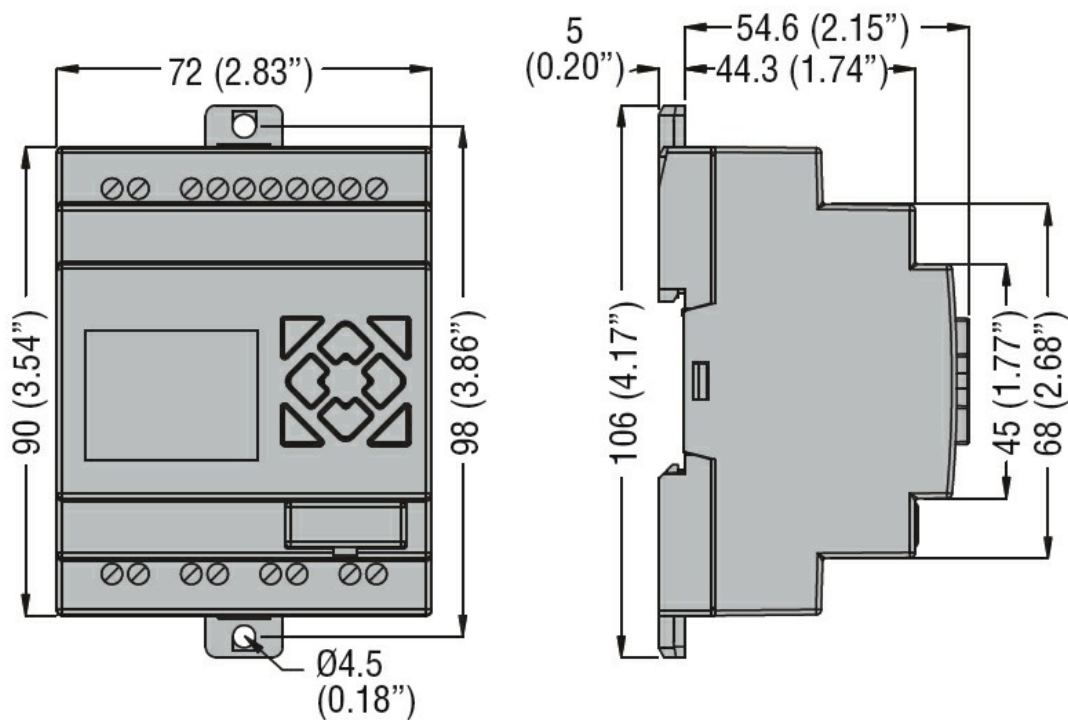


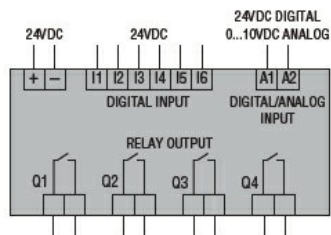


Product designation			Micro PLC - Base module
Product type designation			LRD12RD024
Auxiliary supply voltage			24VDC
Number of inputs	n°	6 digital + 2 digital/analog	
Number of outputs	N°	4 relay	
Max I/O number (base module + expansion modules)			12+24
Power supply			
Rated auxil. supply voltage			24VDC
Operating voltage range			20.4...28.8VDC
Avarage current consumption	mA	125	
Power consumption Max	W	4.5	
Digital inputs			
Number of digital input	n°	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)
Analog inputs			
Number of analog input	n°	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)	
Maximum cable lenght	m / ft	≤30m/98ft (shielded wire)	
Digital outputs			
Number of digital output	n°	4	
type	Relay		
type	Relay		
System resources			

Display			LCD display, 4 lines x 16 characters		
Display			LCD display, 4 lines x 16 characters		
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