



Product designation	Micro PLC - Base module		
Product type designation	LRD12TD024		
Auxiliary supply voltage	24VDC		
Number of inputs	Nr. 6 digital + 2 digital/analog		
Number of outputs	Nr. 4 transistor		
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		
Avarage 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)	<5VDC
		State 1 (ON)	>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		Transistor

System resources

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	mm ²	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

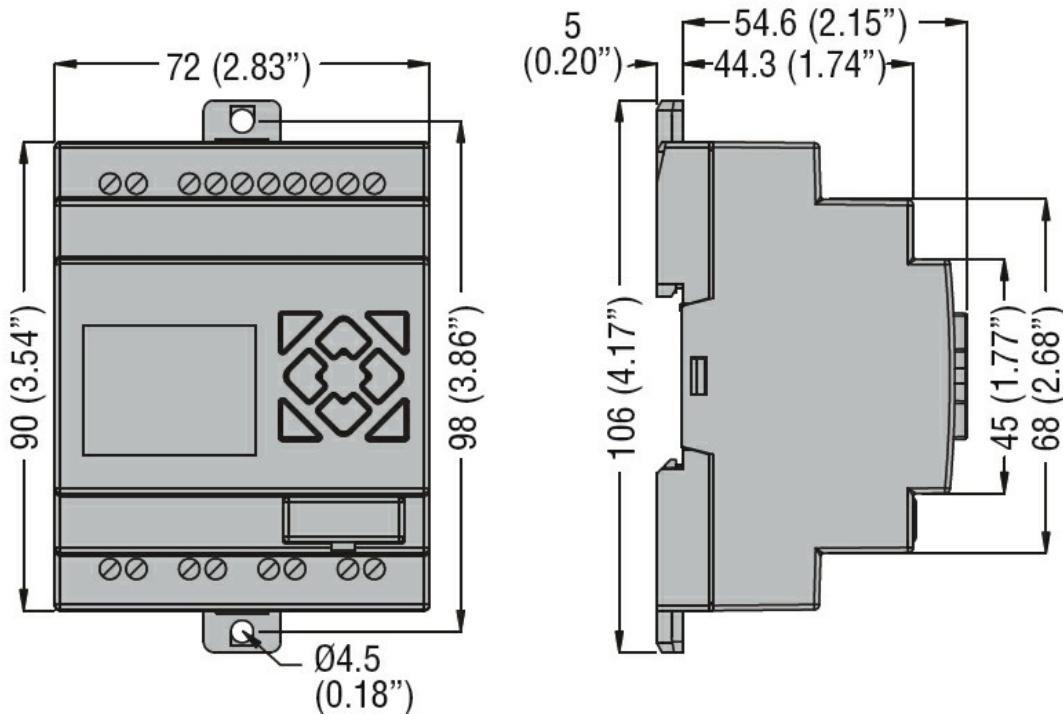
Dimensions (W x H x D)

mm 72 x 106 x 59.6

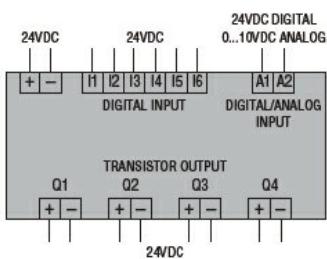
Weight

g 220

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