



Product designation

Product type designation

Auxiliary supply voltage

Number of inputs

Number of outputs

Max I/O number

Starter kit
complete with
LRD12RD024
base module,
LRXSW software
and LRXC03
cable

LRDKIT12RD024
24VDC

Nr. 6 digital + 2
digital/analog

Nr. 4 relay

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)	<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

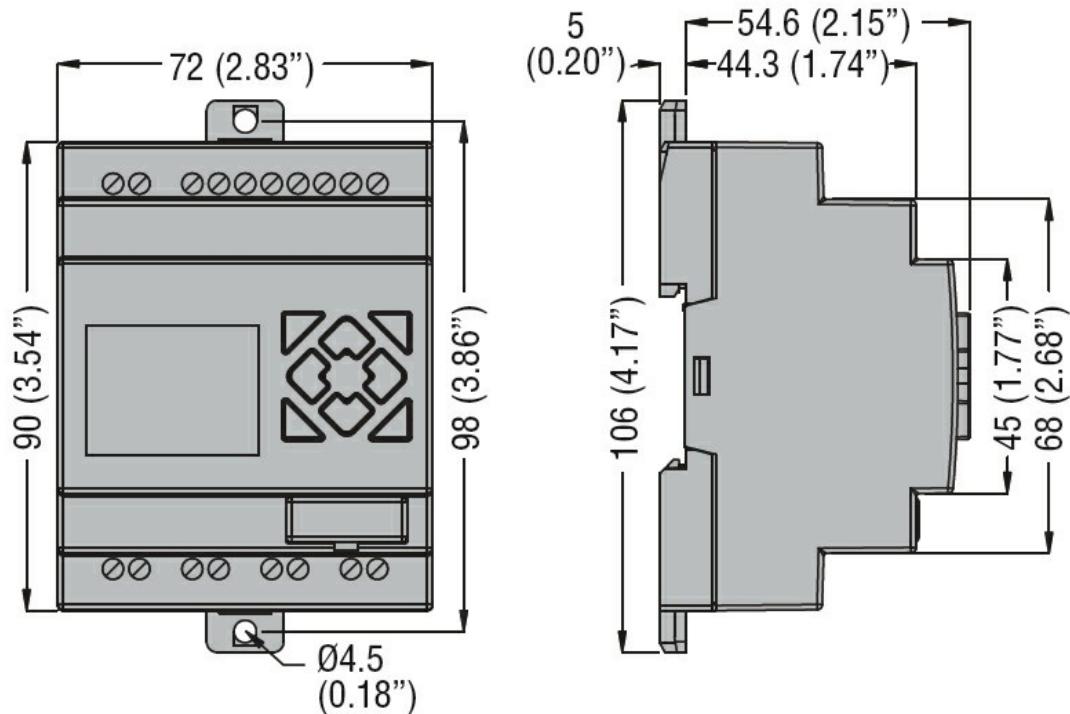
Sampling time

ms 5...20ms(LADDER)
2...10ms (FBD)

Maximum cable length

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				
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		
		max	°C		
			-20		
			+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	424			
Dimensions					



Certifications and compliance

Compliance

CSA C22.2 n° 142
IEC/EN 61131-2
UL508

Certificates

cULus
EAC

ETIM classification

ETIM 8.0

EC002581 - PLC
device set