



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) 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 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 <sup>2</sup>	0.14
max	mm <sup>2</sup>	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

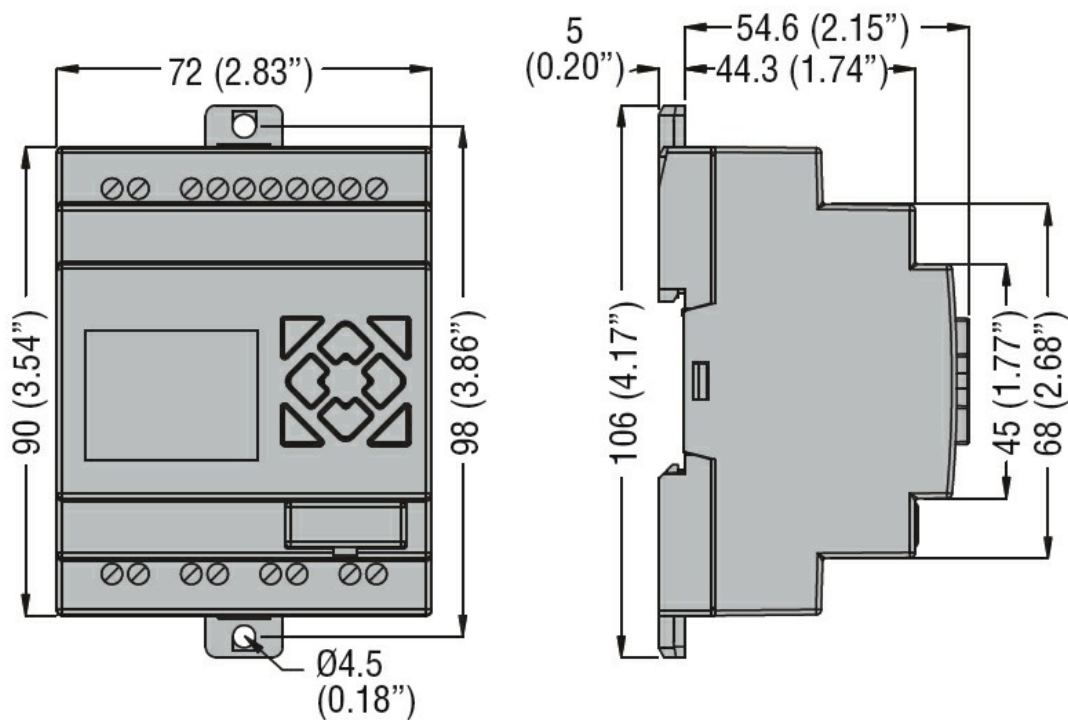
Dimensions (W x H x D)

mm 72 x 106 x 59.6

Weight

g 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